

**No. 58 Catalog**

**C. L. GRANSDEN & Co.**

1214 18TH ST. - AT HOWARD  
DETROIT 16, MICHIGAN

TASHMOO 5-5090

*Thor*

*T-2g*  
**PORTABLE POWER**

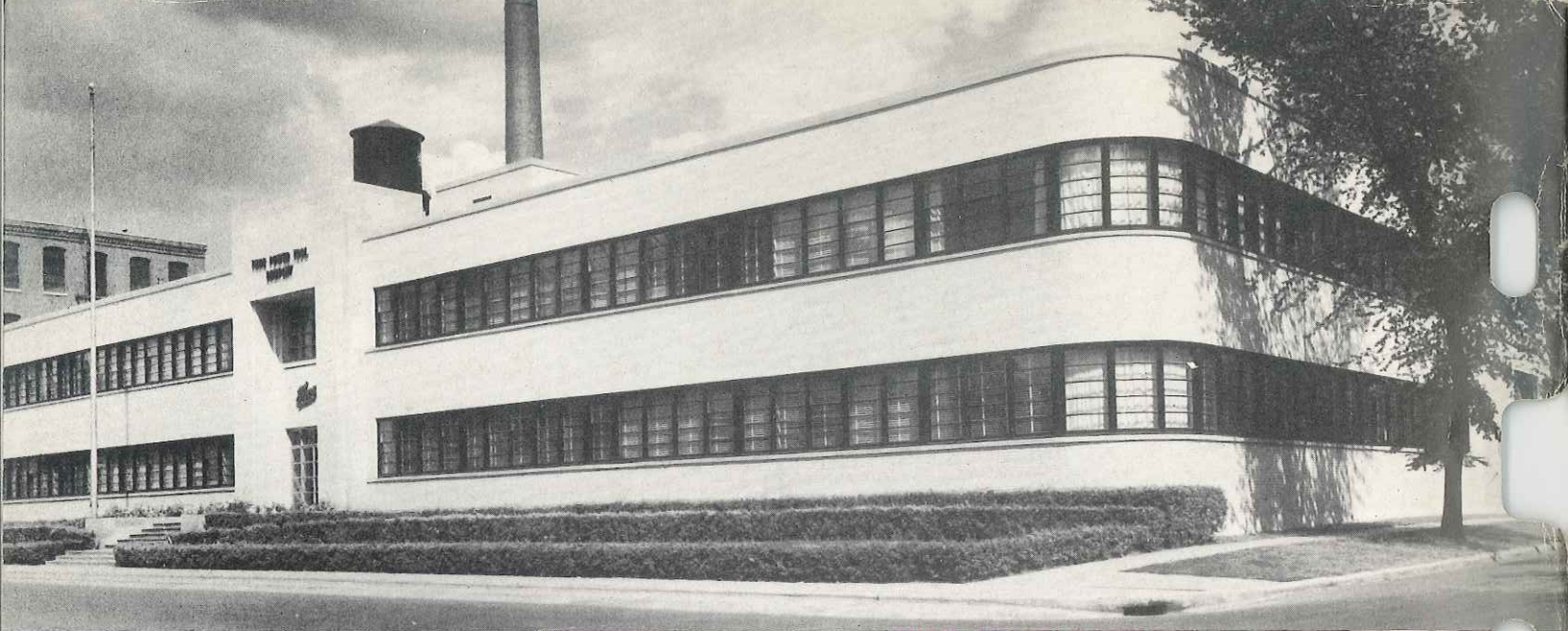
**TOOLS**

# **INDUSTRIAL CATALOG**

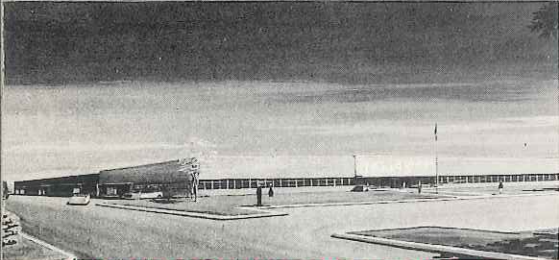
**ELECTRIC AND AIR TOOLS SOLD EXCLUSIVELY THROUGH  
INDUSTRIAL DISTRIBUTORS**

**THOR POWER TOOL COMPANY • CHICAGO, ILLINOIS**

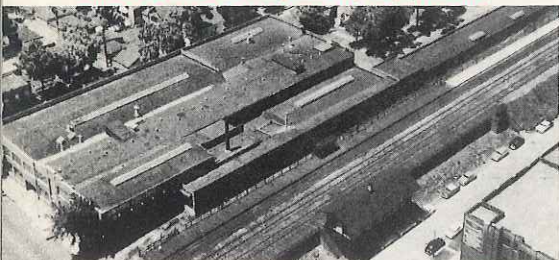




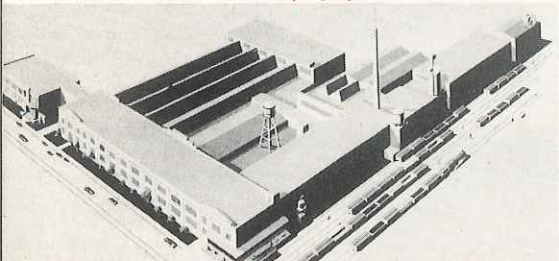
AURORA, ILLINOIS FACTORY



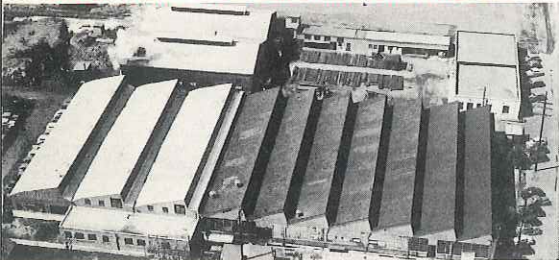
CHICAGO FACTORY (SpeedWay Mfg. Division)



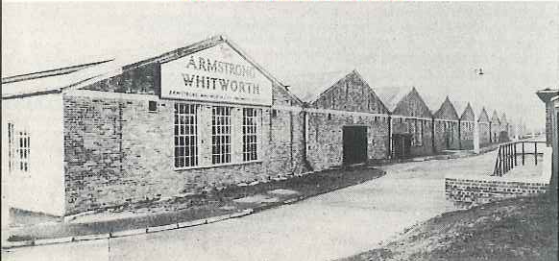
CHICAGO FACTORY (Drying Systems Division)



CINCINNATI FACTORY (Cincinnati Rubber Mfg. Co.)



LOS ANGELES FACTORY



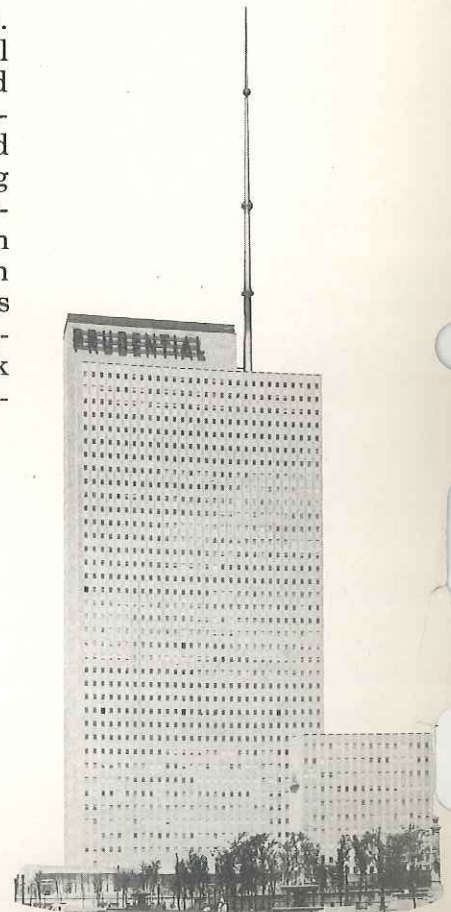
ENGLISH FACTORY (Tynemouth, England)

**F**or more than sixty-five years the Thor Power Tool Company has been designing and engineering tools bearing the Thor trademark for use in industry throughout the civilized countries of the world. Since the inception of this company in 1893, each year has seen Thor engineers creating and developing new models, many of which have taken their places among the outstanding contributions of all times to the craft of tool making; a tribute to the inventive and creative genius of Thor engineers. Today Thor engineers are still pioneering, still developing and perfecting tools to speed up industrial production; designing and building tools that are meeting every demand of modern industry; that are given acceptance in every country of the world. In these pages are illustrated tools worthy of your every consideration; tools bearing the trademark Thor, symbolic of power, endurance and efficiency.

EXECUTIVE OFFICES

PRUDENTIAL BUILDING

CHICAGO, ILLINOIS





# CATALOG No. 58

## INDEX

Thor SilverLine Tools are recommended generally for the hardest, heaviest industrial service—wherever durability and reserve power are of prime consideration in the purchase and use of electric tools.



### MOTORS

Universal Motors (for direct or alternating current of 60 cycles or less) are standard on all electric tools shown in this catalog with the following exceptions:

Bench Grinders and Valve Refacer grinding head motors are furnished for operation on alternating current only.

### VOLTAGES

All electric tools shown in this catalog are furnished standard for operation on 115 volt (110 to 120 volt) current; and are also available in 220 volts at no extra charge. Other popular voltages available on request.

Reversible tools—Tools with reverse switches available in 115 volts, are also available in 127 and 150 volts on special order. Check availability of reversible tools in other voltages.

### GROUNDING

To conform to National Electrical Code requirements for grounding electric tools, Thor tools with three-conductor cables are now equipped with *three prong plugs* for use in matching 3-prong grounding receptacles.

As a convenience to tool users not yet equipped with 3-prong receptacles, each tool is shipped with an *adaptor* (three-prong to two-prong) which will fit into any standard two-prong household-type receptacle. When this adaptor is used, the tools may be grounded by means of a green-colored grounding wire projecting from the side of the adaptor.

It is recommended that electric tools be grounded at all times during operation.



**A SYMBOL OF POWER AND ENDURANCE** in Norse mythology, Thor, the God of Thunder, has furnished a fitting trade name for the world's most powerful electric and air tools.

ACCESSORIES SECTION INDEX.....	49
BALANCERS.....	19
BELT SANDERS.....	41
BENCH GRINDERS.....	34-35
DRILLS.....	3-13
GENERATORS.....	48
GRINDERS.....	37-39
HAMMERS.....	30-31
IMPACT WRENCHES.....	16-17
NIBBLER.....	14
NUT SETTERS.....	15-25
POLISHERS.....	43
SANDERS.....	40-42
SAWS.....	26-29
SCALERS.....	32-33
SCREWDRIVERS.....	18-25
TAPPERS.....	14
TUCK POINT GRINDER.....	36
VALVE SEAT GRINDERS.....	46-47
VALVE REFACERS.....	44-45





## FAMOUS THOR *Silver Line* CONSTRUCTION FEATURES

**HEAVY DUTY BALL BEARINGS** throughout, grease-sealed for minimum maintenance under continuous assembly line and other heavy duty usage.

**GEARS** are of high grade alloy steel, scientifically heat treated for strength and long wear.

**BRIDGED SUPPORT** for upper armature bearing maintains permanent alignment for greater accuracy and long wear.

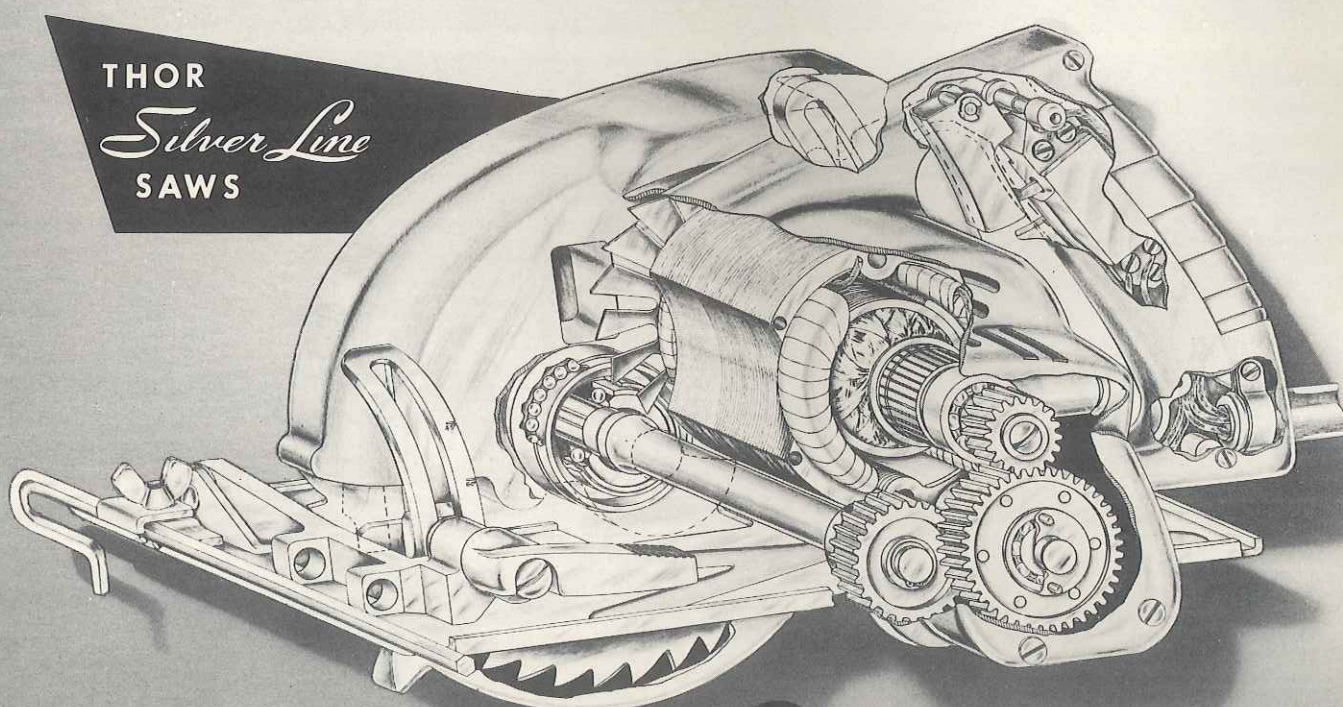
**DYNAMICALLY and STATICALLY BALANCED MOTORS** develop power to spare over rated capacity for smooth performance.

**OVER CAPACITY SEALED SWITCHES** with momentary trigger and locking pin.

**EASILY REMOVED HANDLES** provide quick access for inspection and service of brushes, commutator and switch.

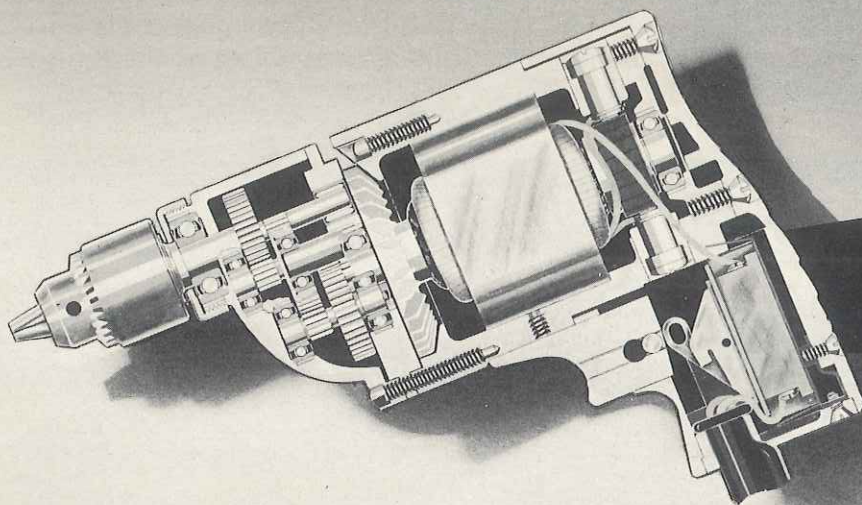
**LARGE VENTILATING SLOTS** cast aluminum baffle and centrifugal fan assure cool running motor, cool handling tool, exceptionally quiet operation.

**DIE CAST ALUMINUM HOUSINGS** for minimum weight without sacrifice of sturdiness or durability. Beautifully polished finish wipes clean in an instant.

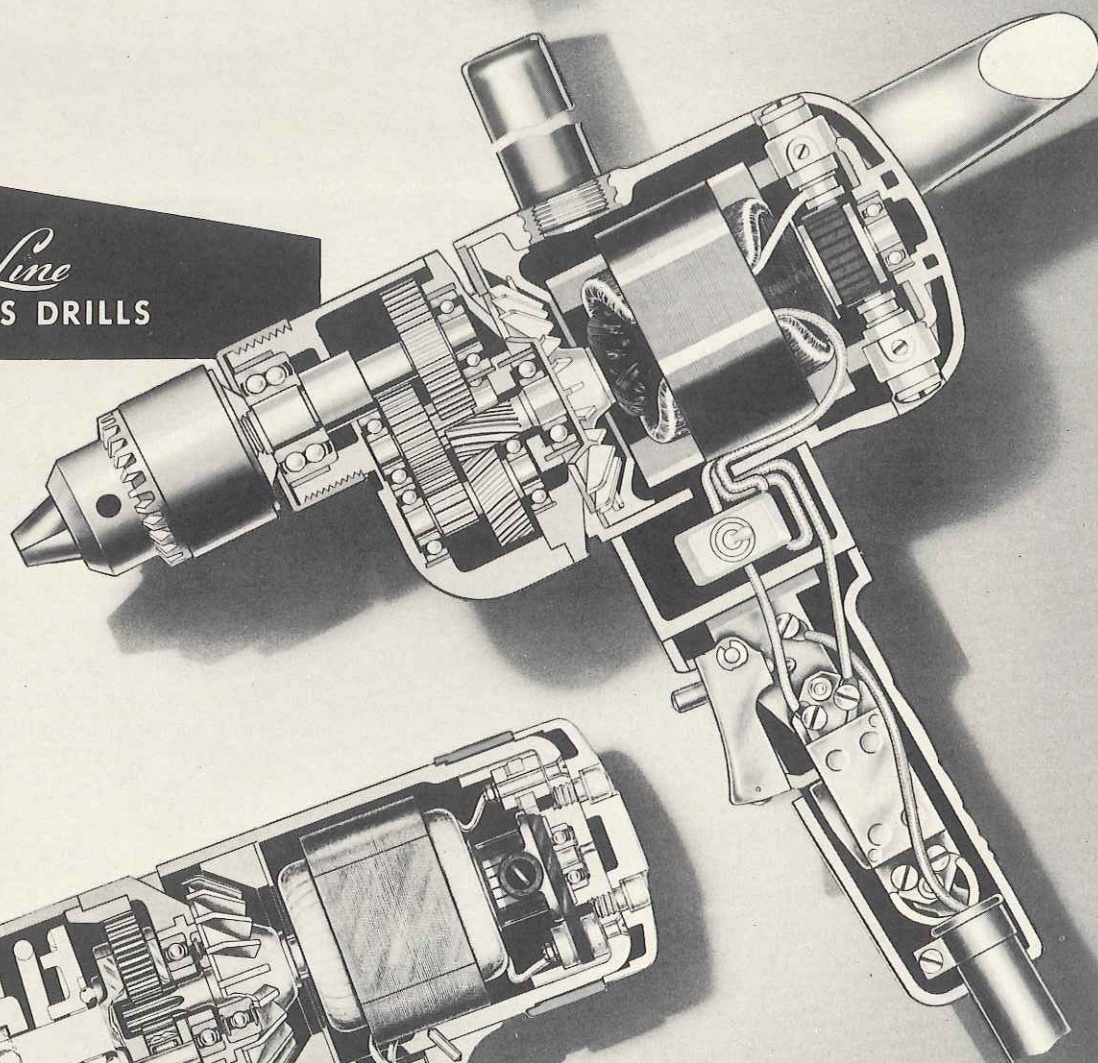


THOR  
*Silver Line*  
SAWS

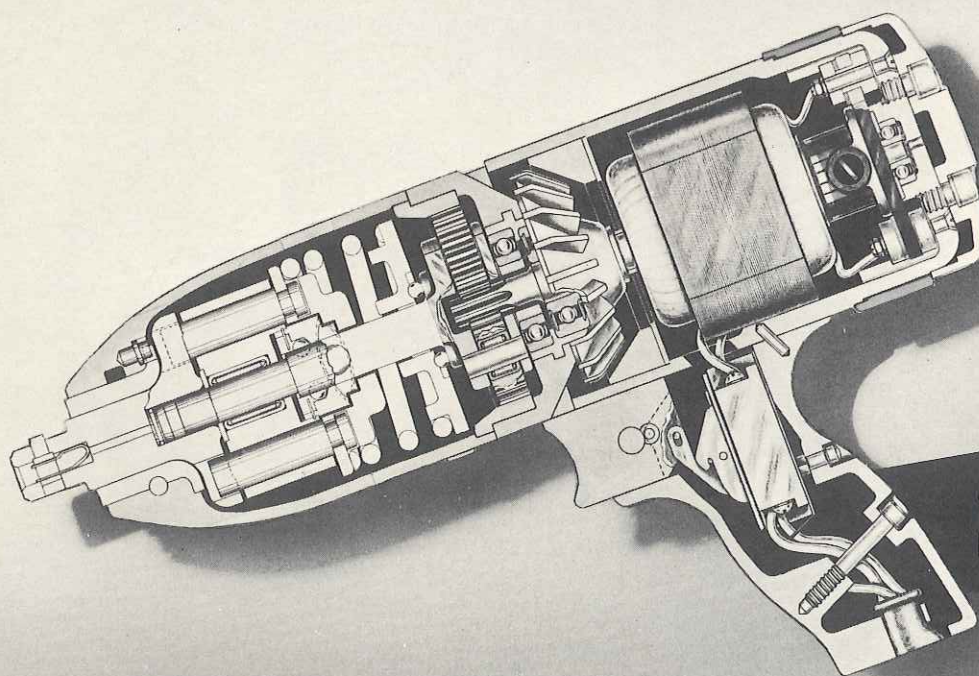




THOR *Silver Line*  
ED SERIES DRILLS



THOR  
*Silver Line*  
EJ SERIES DRILLS



THOR *Silver Line*  
IMPACT WRENCHES



# 1/4" Capacity DRILLS

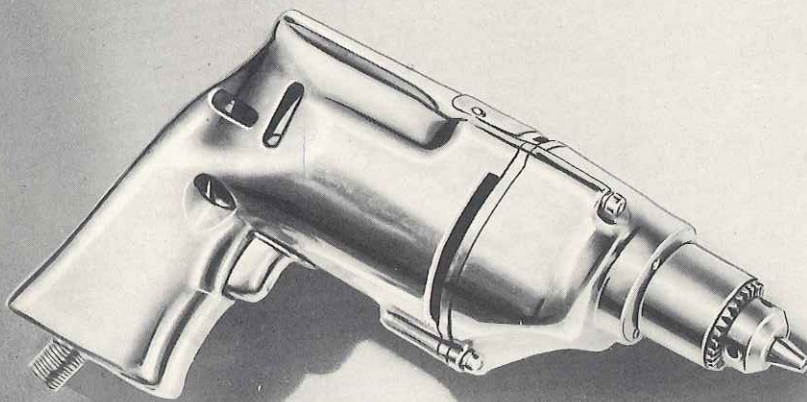
COPPERLINE electric drills. More than satisfactory for normal use where the extreme stamina of the production line drill is not required. 16CL is designed for average 1/4" drilling applications in various trades and crafts. H16CL delivers extra power for heavier duty applications.



## no. 16CL CopperLine 1/4" DRILL

capacity ..... 1/4"  
speed ..... 2000 R.P.M.  
bearings ..... anti-friction—heavy duty radial and  
thrust ball bearing on spindle  
weight ..... 3 lbs.  
shipping weight ..... 5 lbs.  
overall length ..... 8 1/2"

Equipped with 1/4" 3-jaw geared chuck and key; pistol grip handle with momentary trigger switch and locking pin; six feet of 3-conductor cable and plug.



## nc. H16CL CopperLine 1/4" DRILL

capacity ..... 1/4"  
speed ..... 2000 R.P.M.  
bearings ..... ball anti-friction oilless  
weight ..... 4 1/2 lbs.  
shipping weight ..... 6 lbs.  
overall length ..... 9"

Equipped with 1/4" 3-jaw geared chuck and key; pistol grip handle with momentary trigger switch and locking pin; ten feet of 3-conductor cable and plug.

MORSE TAPER SOCKET

HOLE SAWS

GEARED CHUCKS

MOUNTED POINTS

ROTARY FILES

VALVE GUIDE CLEANING BRUSH



**COMPLETE ACCESSORIES  
LISTING . . . PAGE 49**



SILVERLINE. All-ball-bearing electric drills industrially rated for standard duty service. Smallest, lightest drills in the line. Angle model provides easy access to hard-to-reach places. Angle head is adjustable to four positions for 360° service. Straight models are offered in a complete range of speeds for all industrial applications.

# 1/4" Capacity DRILLS

## no. ED2 STANDARD DUTY 1/4" DRILL

capacity ..... 1/4"  
speed ..... 1800 R.P.M.  
bearings ..... all heavy duty ball bearings throughout  
weight ..... 3 lbs.  
shipping weight ..... 4 lbs.  
overall length ..... 7 7/16"  
spindle offset ..... 2 1/2"

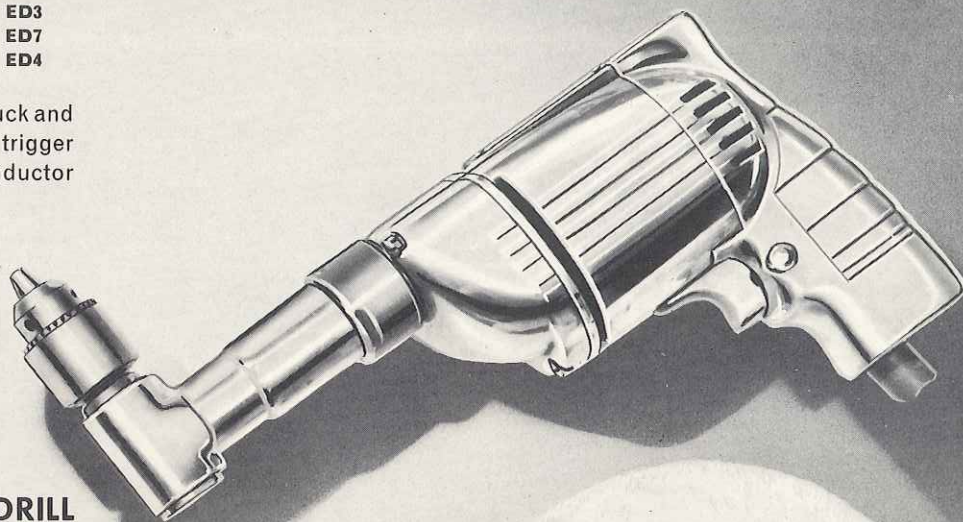
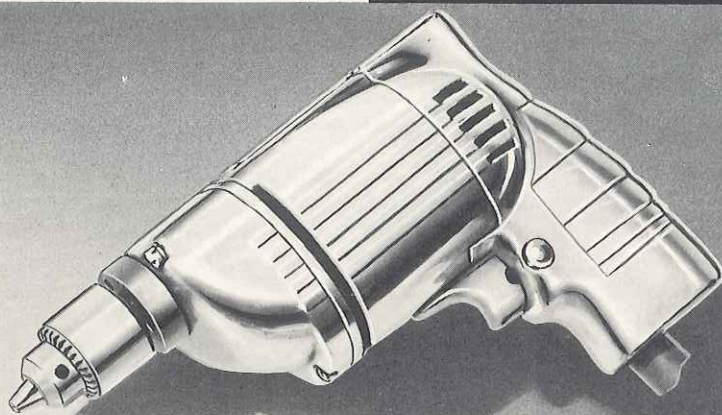
### OPTIONAL SPEED MODELS

R.P.M.	Code No.
5000	ED5
3700	ED0
2500	ED1

### SLOW SPEED MODELS

R.P.M.	Code No.
1100	ED3
800	ED7
550	ED4

All models equipped with 3-jaw geared chuck and key; pistol grip handle with momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable and plug.



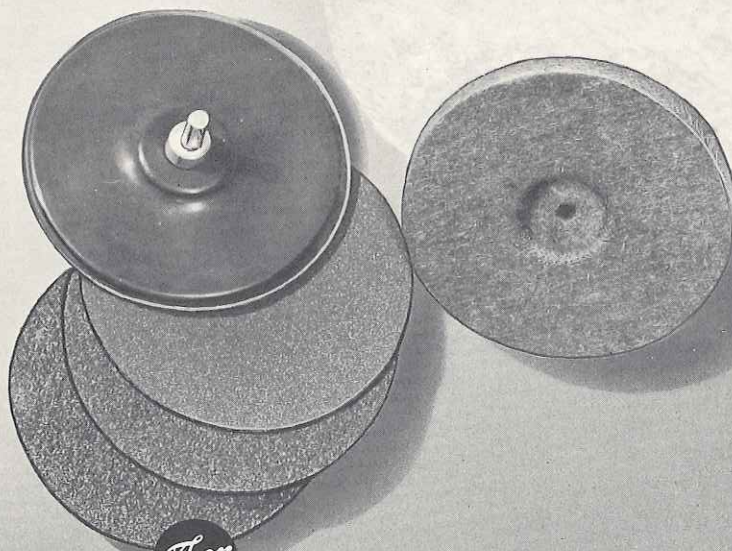
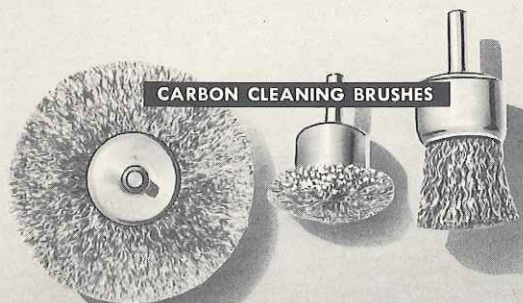
## no. ED111 RIGHT ANGLE 1/4" DRILL

capacity ..... 1/4"  
speed ..... 2250 R.P.M.  
bearings ..... all heavy duty ball bearings throughout  
weight ..... 3 3/8 lbs.  
shipping weight ..... 8 lbs.  
overall length ..... 10"  
angle head length ..... 3 1/16" with standard 3-jaw chuck;  
2 5/16" with optional 1/4" collet

Equipped with 3-jaw geared chuck and key; pistol grip handle with momentary trigger switch and locking pin; seven feet of 3-conductor rubber cable and plug.

Optional equipment: 1/4" collet in place of 1/4" geared chuck.

### SANDING-POLISHING ATTACHMENTS





# 1/4" Capacity DRILLS

SILVERLINE. Heavy duty rated all-ball-bearing 1/4" drills for industrial service. Ruggedly built to stand up under hard day-in-and-day-out usage. New "FH" class provides speed-power combination for high production drilling. U14K models are housed in thick, chip-proof insulating plastic over inner steel frame. Wide range of speeds available for all types of applications.

## no. U14F HEAVY DUTY 1/4" DRILL

capacity ..... 1/4"  
speed ..... 2500 R.P.M.  
bearings ..... all heavy duty ball bearings throughout  
weight ..... 3 3/8 lbs.  
shipping weight ..... 5 lbs.  
overall length ..... 8 1/8"  
spindle offset ..... 1 5/8"

### OPTIONAL SPEED MODELS

R.P.M.	Catalog No.
5000	U13F
3750	U12F

### SLOW SPEED MODELS

R.P.M.	Catalog No.
1500	U17FD
1000	U18FD
750	U16FD
500	U22FD

## no. U14FH HIGH SPEED 1/4" DRILL

capacity ..... 1/4"  
speed ..... 2900 R.P.M.  
bearings ..... all heavy duty ball bearings throughout  
weight ..... 3 3/8 lbs.  
shipping weight ..... 5 lbs.  
overall length ..... 8 1/8"  
spindle offset ..... 1 5/8"

### OPTIONAL SPEED MODELS

R.P.M.	Catalog No.
4500	U12FH
5700	U13FH

## no. U14K HEAVY DUTY 1/4" DRILL

Lightweight "armored-plastic" case (same drill as U14F but weighs 5/8 lbs. less).

capacity ..... 1/4"  
speed ..... 2500 R.P.M.  
bearings ..... all heavy duty ball bearings throughout  
weight ..... 3 1/4 lbs.  
shipping weight ..... 5 lbs.  
overall length ..... 8 3/8"  
spindle offset ..... 3/4"

### OPTIONAL SPEED MODELS

R.P.M.	Catalog No.
3750	U12K
5000	U13K

All U14 models equipped with 3-jaw geared chuck and key; momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug.

Optional all models at no extra cost, side handle in place of pistol grip.

MORSE TAPER SOCKET

SIDE HANDLE MODEL

GEARED CHUCKS

MOUNTED POINTS

HOLE SAWS

ROTARY FILES

HOLE SPOTTER

VALVE GUIDE CLEANING BRUSH

CARBON CLEANING BRUSHES



**SILVERLINE.** Most powerful heavy duty  $\frac{1}{4}$ " industrial drills in the line. Power rated in the same class with SilverLine  $\frac{3}{8}$ " and  $\frac{1}{2}$ " drills, geared and equipped for  $\frac{1}{4}$ " service. Tremendous power rating for this class of work extends its useful service life far beyond any other class of  $\frac{1}{4}$ " drill. All ball bearing, heavy duty construction throughout.

**$\frac{1}{4}$ "- $\frac{3}{8}$ " Capacity  
DRILLS**

### no. EJO HEAVY DUTY $\frac{1}{4}$ " DRILL

capacity..... $\frac{1}{4}$ "  
speed.....2000 R.P.M.  
bearings.....all heavy duty ball bearings throughout  
weight.....6 $\frac{1}{2}$  lbs.  
shipping weight.....8 $\frac{1}{4}$  lbs.  
overall length.....12 $\frac{1}{8}$ "  
spindle offset.....1"

Equipped with 3-jaw geared chuck and key; momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug. (Keyless chucks available at extra cost.)

Optional at no extra cost, side handle in place of grip handle.

### no. EJOH

### $\frac{3}{8}$ " HEAVY DUTY WOOD DRILL

Same as above except speed is 8000 R.P.M.; overall length 12 $\frac{7}{8}$ ".

### no. 20CL Copper Line $\frac{5}{16}$ " DRILL

### no. 24CL Copper Line $\frac{3}{8}$ " DRILL

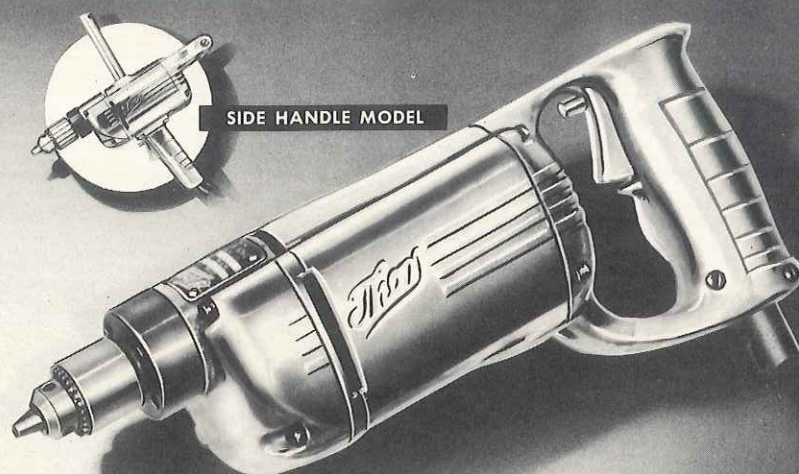
	no. 20CL	no. 24CL
capacity.....	$\frac{5}{16}$ "	$\frac{3}{8}$ "
speed.....	1500*	1000*
bearings.....	sealed anti-friction ball and needle bearings	
weight.....	4 $\frac{1}{2}$ lbs.	5 $\frac{1}{2}$ lbs.
shipping weight.....	6 lbs.	7 lbs.
overall length.....	9 $\frac{1}{8}$ "	9 $\frac{1}{8}$ "

### no. H24CL Copper Line $\frac{3}{8}$ " DRILL

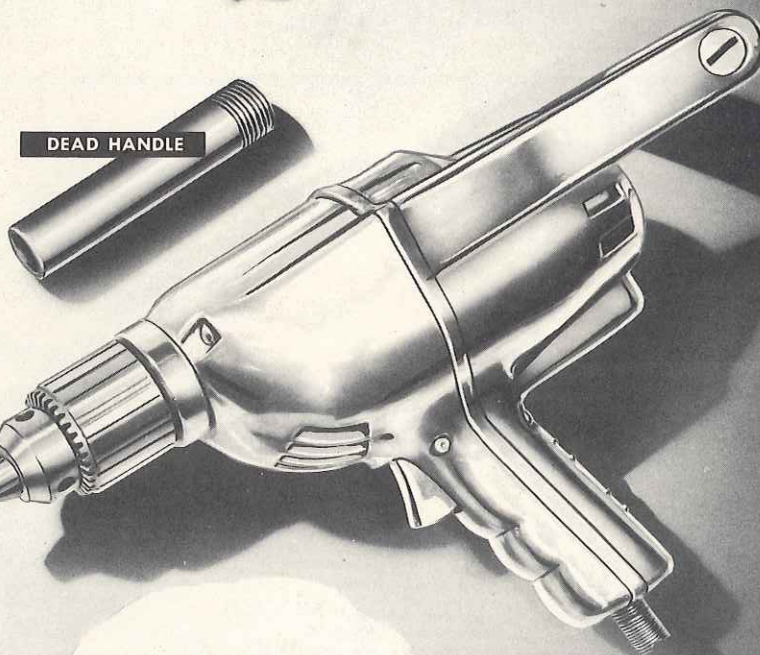
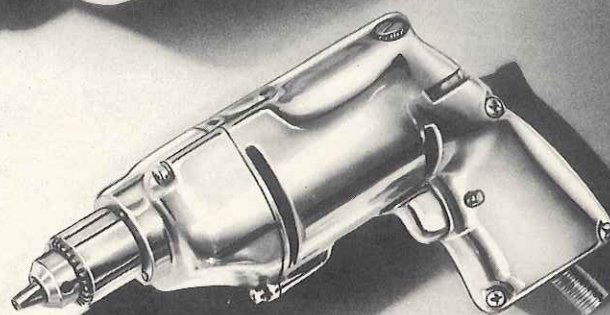
capacity..... $\frac{3}{8}$ "  
speed.....1000 R.P.M.\*  
bearings.....all sealed ball bearings  
weight.....11 lbs.  
shipping weight.....15 lbs.  
overall length.....13 $\frac{1}{2}$ "

\*Additional speeds available at extra cost.

Nos. 20CL, 24CL and H24CL equipped with 3-jaw geared chuck and key in capacity specified; momentary trigger switch and locking pin; ten feet of 3-conductor cable and plug.



SIDE HANDLE MODEL



DEAD HANDLE



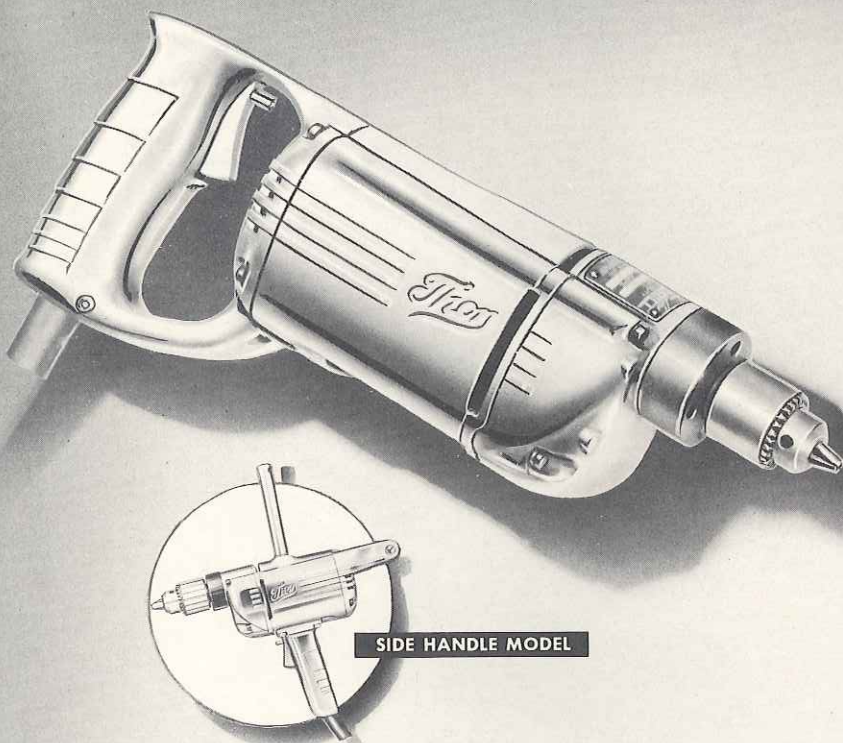
SANDING-POLISHING ATTACHMENTS

**COMPLETE ACCESSORIES  
LISTING... PAGE 49**



## 5/16"-3/8" Capacity DRILLS

**SILVERLINE.** Power-rated in same class with industrial 1/2" drills, these all ball bearing tools are geared and equipped for 5/16" and 3/8" heavy duty industrial service. Power reserve assures extra-long armature life. Equipped standard with forward rotation and end handles. Options include side handle, with or without reversing switch as specified.



SIDE HANDLE MODEL

### no. EJ1 HEAVY DUTY 5/16" DRILL no. EJ2 HEAVY DUTY 3/8" DRILL

	EJ1	EJ2
capacity	5/16"	3/8"
speed	1500 R.P.M.	1000 R.P.M.
bearings	all heavy duty ball bearings throughout	
weight	6 1/2 lbs.	7 1/4 lbs.
shipping weight	8 1/2 lbs.	9 lbs.
overall length	12 1/16"	12 7/8"
spindle offset	1"	1"
handle	grip	grip

#### ADDITIONAL 5/16" MODELS

Code No.	R.P.M.	Handle
*	1000	Grip
EJ6	1500	Side

\*Specify no. EJ2 and 5/16" chuck.

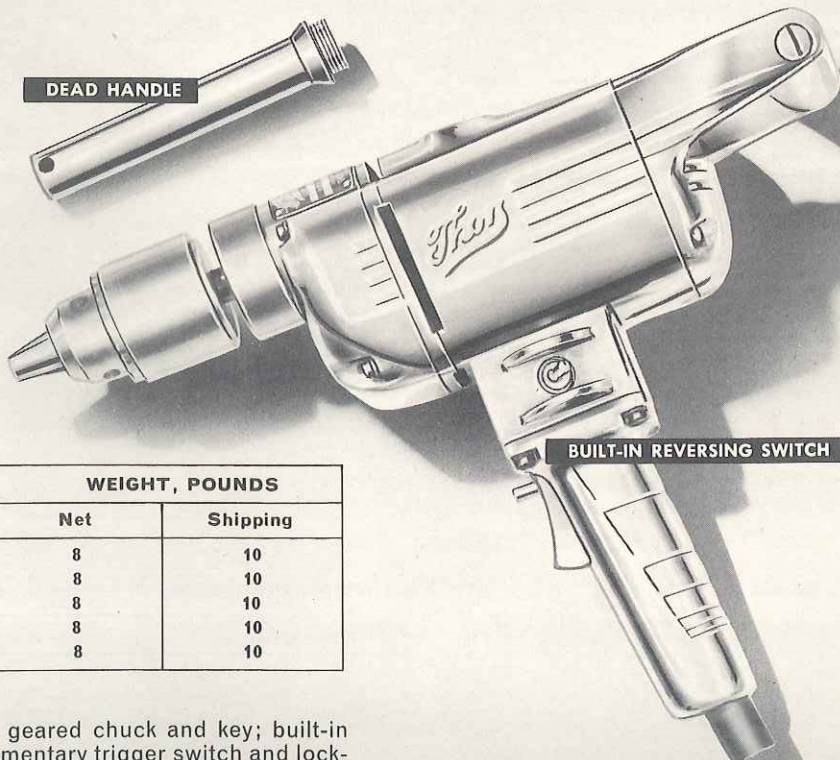
#### ADDITIONAL 3/8" MODELS

Code No.	R.P.M.	Handle
EJ3	750	Grip
EJ7	1000	Side
EJ8	750	Side

Equipped with 3-jaw geared chuck and key; momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug. (Keyless chucks available at extra cost.)

Optional at no extra cost, side handle in place of grip handle.

## 1/4"-1/2" heavy duty REVERSIBLE DRILLS



DEAD HANDLE

BUILT-IN REVERSING SWITCH

Cat. No.	Capacity	Speed R.P.M.	WEIGHT, POUNDS	
			Net	Shipping
EJ0R *	1/4"	2000	8	10
EJ6R	5/16"	1500	8	10
EJ7R	3/8"	1000	8	10
EJ8R	3/8"	750	8	10
EJ9R-T	1/2"	500	8	10

\*Specify "Side Handle"

All models equipped with heavy duty 3-jaw geared chuck and key; built-in reversing switch; side switch handle with momentary trigger switch and locking pin; spade handle and removable dead handle; seven feet of 3-conductor cable and plug.



COPPERLINE. A fine line of electric tools where the type of application does not justify the investment in heavy duty industrial type tools. 32CL is for normal trade and craft applications. H32CL ( $\frac{1}{2}$ " ) and H40CL ( $\frac{5}{8}$ " ) drills are more powerful tools which feature ball bearing construction and will give excellent service on all but the heaviest duty applications.

## 1/2"-5/8" Capacity DRILLS

### no. 32CL CopperLine $\frac{1}{2}$ " DRILL

capacity .....  $\frac{1}{2}$ "  
 speed ..... 650 R.P.M.  
 bearings ..... self-aligning bronze and ball thrust bearings  
 weight ..... 8  $\frac{3}{4}$  lbs.  
 shipping weight ..... 12 lbs.  
 overall length ..... 13"

Equipped with 3-jaw geared chuck and key; side handle with momentary trigger switch and locking pin; spade handle; removable dead handle; six feet of 3-conductor cable and plug.

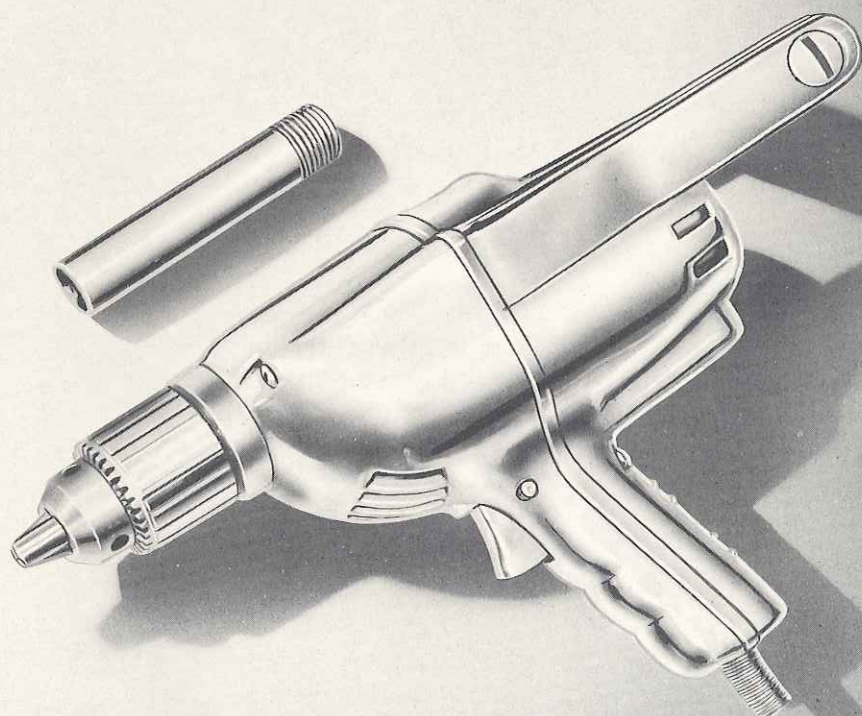
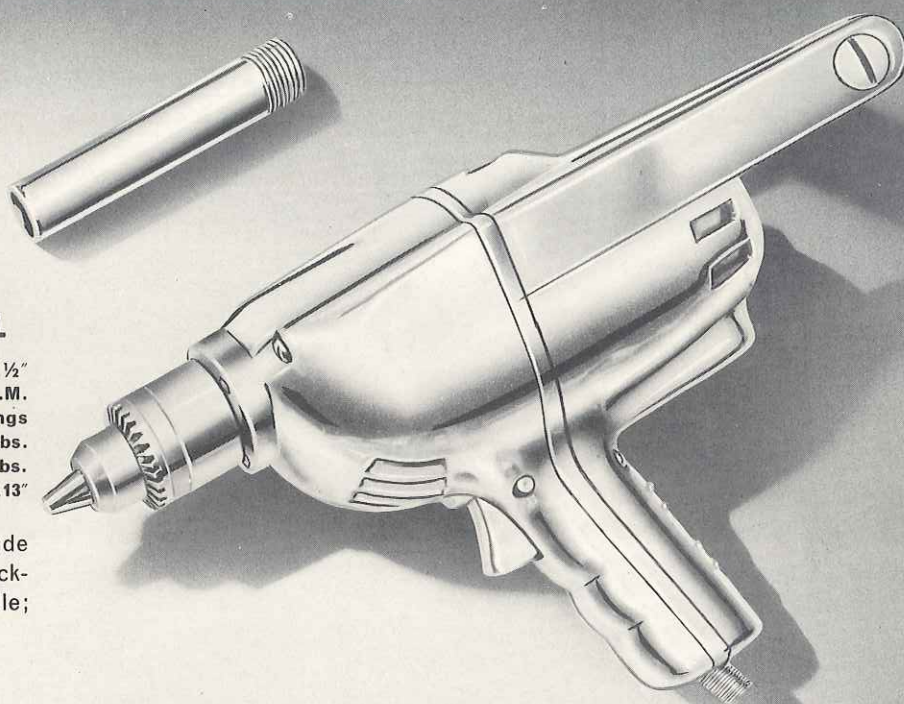


COMPLETE ACCESSORIES  
LISTING ... PAGE 49

### no. H32CL CopperLine $\frac{1}{2}$ " DRILL no. H40CL CopperLine $\frac{5}{8}$ " DRILL

	H32CL	H40CL
capacity.....	$\frac{1}{2}$ "	$\frac{5}{8}$ "
speed.....	600 R.P.M.	400 R.P.M.
bearings.....	all sealed ball bearings	
weight.....	11 $\frac{1}{4}$ lbs.	11 $\frac{1}{2}$ lbs.
shipping weight.....	15 lbs.	15 lbs.
overall length.....	14"	14"

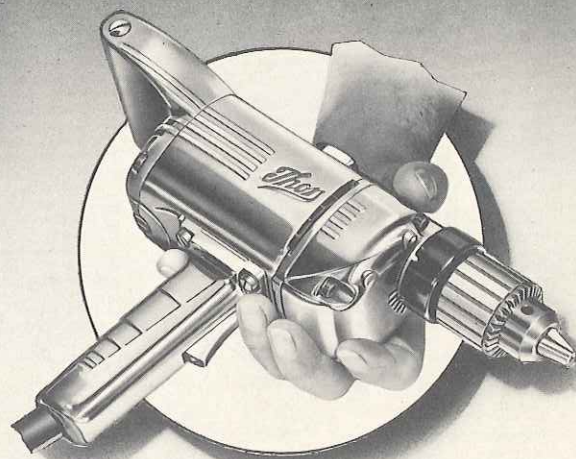
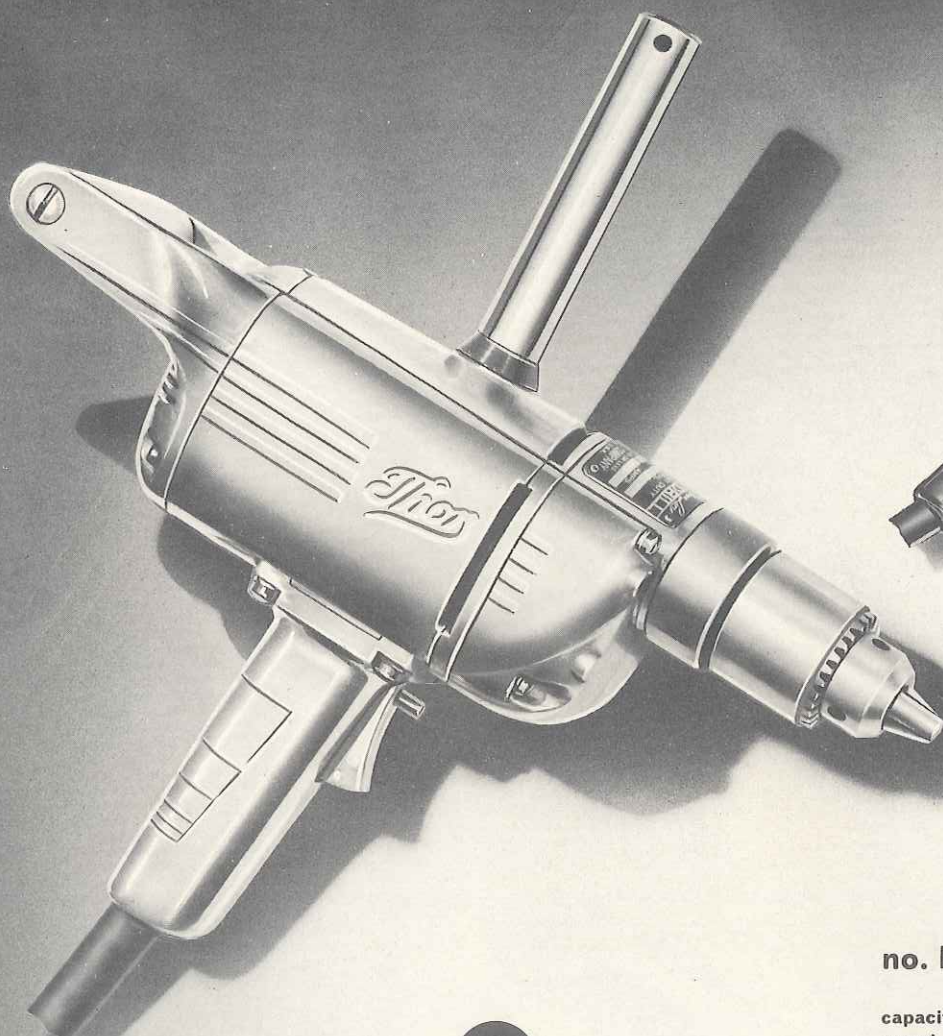
Equipped with 3-jaw geared chuck and key; side handle with momentary trigger switch and locking pin; spade handle; removable dead handle; ten feet of 3-conductor cable and plug.





1/2" Capacity  
**DRILL**

A truly outstanding tool, world famous for stall proof power, compactly housed for high production drilling and handling ease. The leader in the line. All-ball-bearing, heavy-duty construction throughout equip it for severe service on production lines, in maintenance departments, construction industries—wherever first quality tooling pays off.



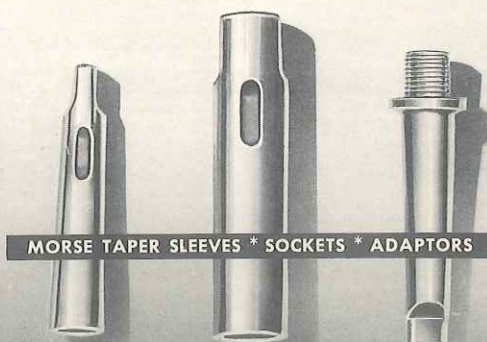
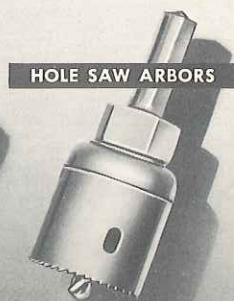
**COMPLETE ACCESSORIES  
LISTING . . . PAGE 49**



**no. EJ9 HEAVY DUTY 1/2" DRILL**

capacity . . . . .	1/2"
speed . . . . .	500 R.P.M.
bearings . . . . .	8 oversize precision ball bearings
weight . . . . .	8 lbs.
shipping weight . . . . .	10 lbs.
overall length . . . . .	12 1/4"
spindle offset . . . . .	1"

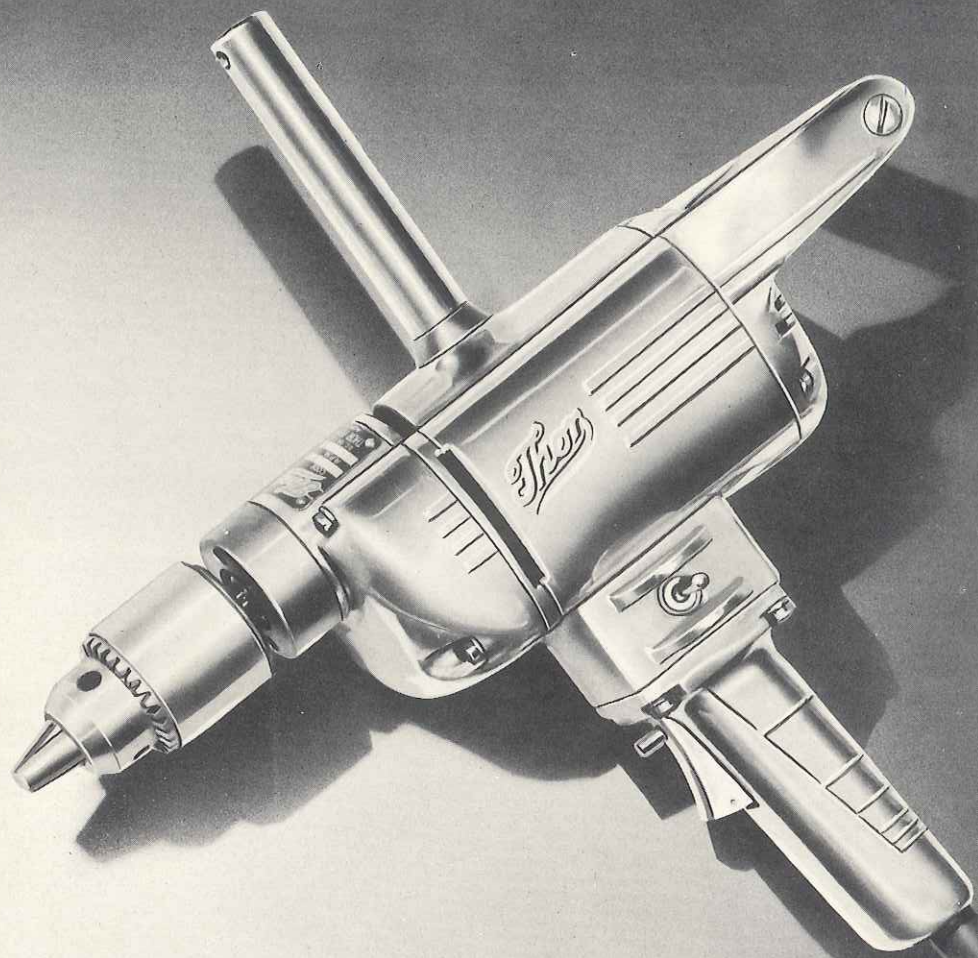
Equipped with 3-jaw geared chuck and key; side handle with momentary trigger switch and locking pin; removable dead handle; spade handle; seven feet of 3-conductor cable and plug.





Thor EJ9RT reversible 1/2" drill features the world-famous power and handling ease of the EJ9 combined with a built-in reversing switch in handle, for unmatched service in poleline drilling and other wood boring operations where augers must be backed out under power. Equipped with special chuck for reversible operation.

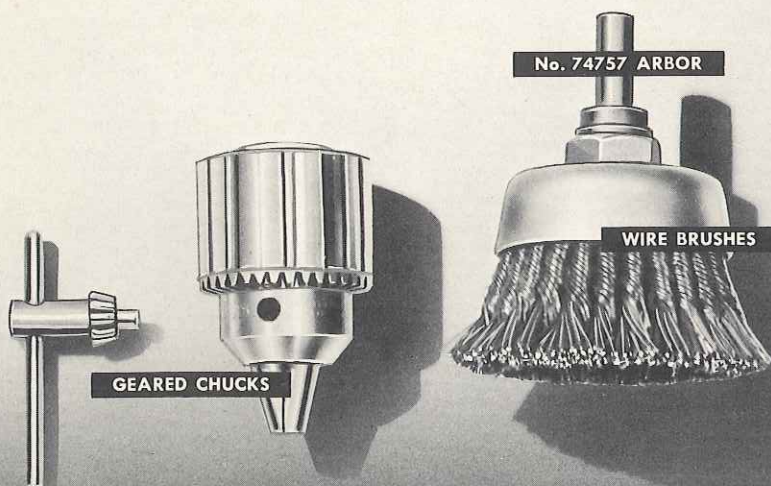
## 1/2" Capacity Reversible DRILL



### no. EJ9RT REVERSIBLE HEAVY DUTY 1/2" DRILL

capacity .....	1/2"
speed .....	500 R.P.M.
bearings .....	8 oversize precision ball bearings
weight .....	8 1/4" lbs.
shipping weight .....	10 1/4" lbs.
overall length .....	12 1/4"
spindle offset .....	1"

Equipped with 3-jaw geared chuck and key; built-in reversing switch; side handle with momentary trigger switch and locking pin; removable dead handle; spade handle; seven feet of 3-conductor cable and plug.



Developed specifically for pole line drilling, the Thor EJ9RT has also found wide acceptance in machine shops, boiler shops, railroads and other heavy industries.



# 1/2"-1" Reversible DRILLS

Complete range of large-capacity electric drills ruggedly built for dependable service in manufacturing, maintenance and construction industries. Motors, gearing, bearings and switches are designed with extra capacity to stand up under hard and heavy usage. All sizes available with reversing switches in handles for forward or reverse operation.

## EL SERIES REVERSIBLE DRILLS

CATALOG NUMBER		Duty Rating	Capacity	Speed R.P.M.	WEIGHT, POUNDS		Length Overall	Spindle Offset	Spindle Thread
Non-Rev.	Rev.				Net	Shipping			
EL4	EL4R	Ex. H.D.	1/2"	750	15	25	14 1/4"	1 1/4"	3/8"-16
EL5	EL5R	Ex. H.D.	1/2"	525	15	25	14 1/4"	1 1/4"	3/8"-16
EL6	EL6R	H.D.	3/8"	425	15 1/4	25	14 1/4"	1 1/4"	3/8"-16
EL7	EL7R	Std. D.	3/4"	350	15 3/8	25	14 3/8"	1 1/4"	3/4"-16

EL SERIES STANDARD EQUIPMENT—Heavy Duty 3-jaw geared chuck and key; side handle; momentary safety switch with locking pin; spade handle; dead handle; seven feet of 3-conductor cable and plug.

OPTIONAL: EL4, EL5—No. 1 or No. 2 Morse Taper Socket in place of chuck; EL6—No. 2 Morse Taper Socket; EL7—No. 2 or No. 3 Morse Taper Socket.

EXTRA EQUIPMENT, all sizes, No. 80450 Feed Screw Assembly.

FEED SCREW ASSEMBLY

## EN SERIES REVERSIBLE DRILLS

CATALOG NUMBER		Duty Rating	CAPACITY		Speed r.p.m.	WEIGHT, POUNDS		Lgth. Overall	Spindle Offset	Spindle Thread
Non-Rev.	Rev.		Drilling	Reaming		Net	Shpg.			
EN5	EN5R	Ex. H.D.	5/8"	—	430	17	25	16 1/4"	1 1/2"	3/8"-16
EN6	EN6R	Ex. H.D.	3/4"	—	350	17 3/4	26	16 3/8"	1 1/2"	3/4"-16
EN7	EN7R	H.D.	7/8"	1/16"	350	16	24	18 3/8"	1 1/2"	3/4"-16
EN8	EN8R	H.D.	1"	3/4"	300	16	24	18 3/8"	1 1/2"	3/4"-16

EN SERIES STANDARD EQUIPMENT—Side handle; momentary safety switch with locking pin; spade handle; dead handle; seven feet of 3-conductor cable and plug; EN5, EN6, heavy duty 3-jaw geared chuck and key; EN7, EN8, no. 3 Morse Taper Socket.

OPTIONAL: EN5—No. 2 Morse Taper Socket in place of chuck; EN6—No. 2 or No. 3 Morse Taper Socket; EN7, EN8—No. 2 Morse Taper Socket or 3/4" 3-jaw geared chuck and key. EXTRA EQUIPMENT, all sizes, No. 87844 Feed Screw.

SPECIAL no. EN-PB-75 heavy duty reversible drill for operating ACF hitch in tying down Piggy Back Trailers on railroad flat cars. Speed 75 r.p.m.; weight 44 lbs.; overall length 22 1/2"; 1" square drive slip clutch attachment. Write for bulletin E-858.

GEARED CHUCKS

MORSE TAPER SOCKET





Large capacity electric drills equipped standard for special purpose applications in coal mining and wood construction industries. Powerful motors, extra sturdy gears, bearings and switches assure dependable operation under adverse conditions. Sturdily housed in reenforced castings for long satisfactory service.

# 1 1/4" DRILLS COAL DRILLS WOOD BORERS

## no. U3Z HEAVY DUTY 1 1/4" DRILL no. U3S HEAVY DUTY 1 1/4" DRILL

	U3Z	U3S
capacity drilling	1 1/4"	1 1/4"
capacity reaming	1 5/16"	H.D.
speed	350 R.P.M.	78 R.P.M.
weight	49 1/2 lbs.	93 lbs.
shipping weight	71 lbs.	115 lbs.
overall length	19 7/8"	27 1/4"
spindle offset	2 3/4"	4 1/8"

Equipped with no. 3 internal morse taper socket, safety switch handle, dead handle, feed screw, 7 feet of 3-conductor cable.

Optional: 1 1/4" square hole chuck, spade handle instead of feed screw.

Extra Charge Equipment: No. 3 internal Morse Taper Use-Em-Up Socket.



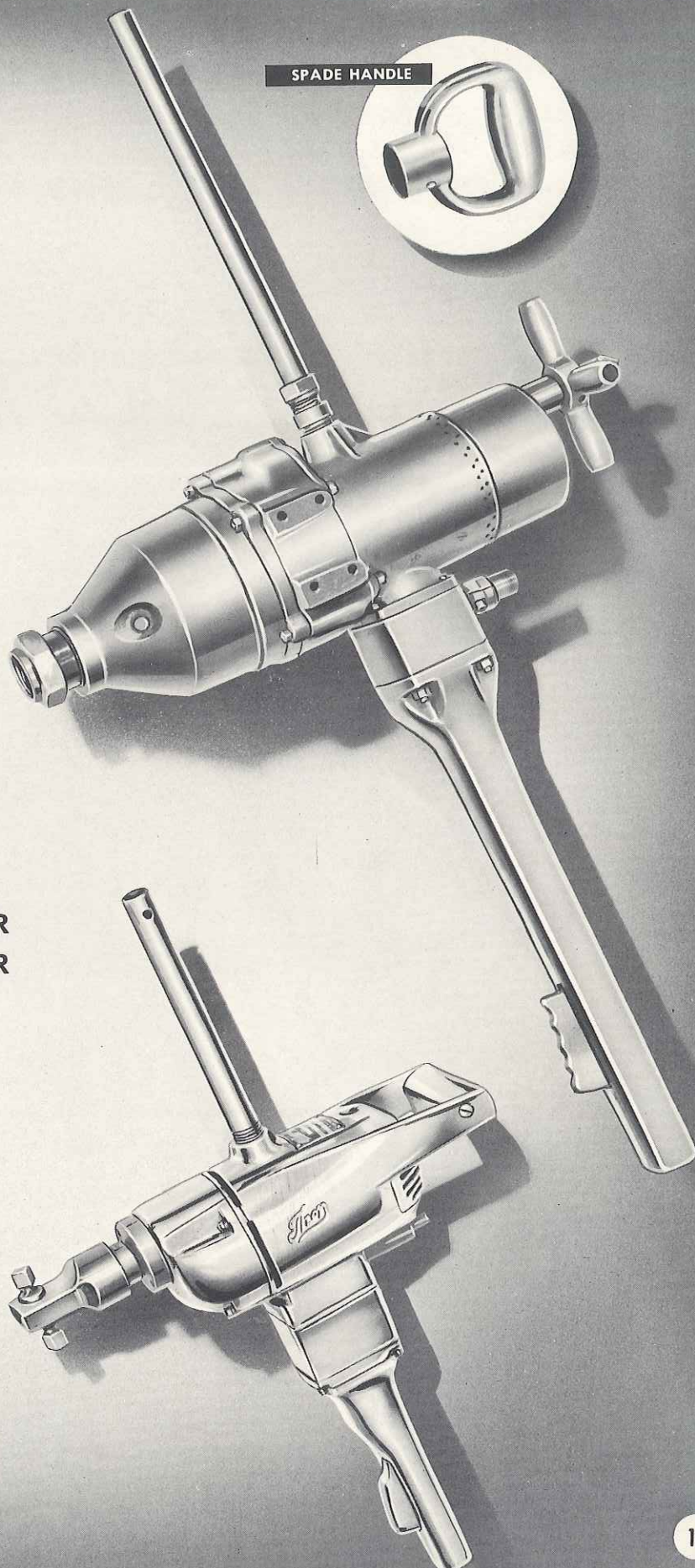
**COMPLETE ACCESSORIES  
LISTING ... PAGE 49**

## no. EN7C COAL-DRILL WOOD-BORER no. EN8C COAL-DRILL WOOD-BORER

	EN7C	EN8C
speed	350 R.P.M.	300 R.P.M.
weight	19 7/8 lbs.	19 7/8 lbs.
shipping weight	27 7/8 lbs.	27 7/8 lbs.
overall length	17 5/8"	17 5/8"
spindle offset	1 1/32"	1 1/32"

Equipped with flat taper coal-auger chuck (as illustrated) or wood boring chuck for 1/2" diameter straight round shank wood bits; safety switch side handle; spade handle and removable dead handle; seven feet of 3-conductor cable and plug.

SPADE HANDLE





## 1/4"-3/8" Reversible TAPPERS

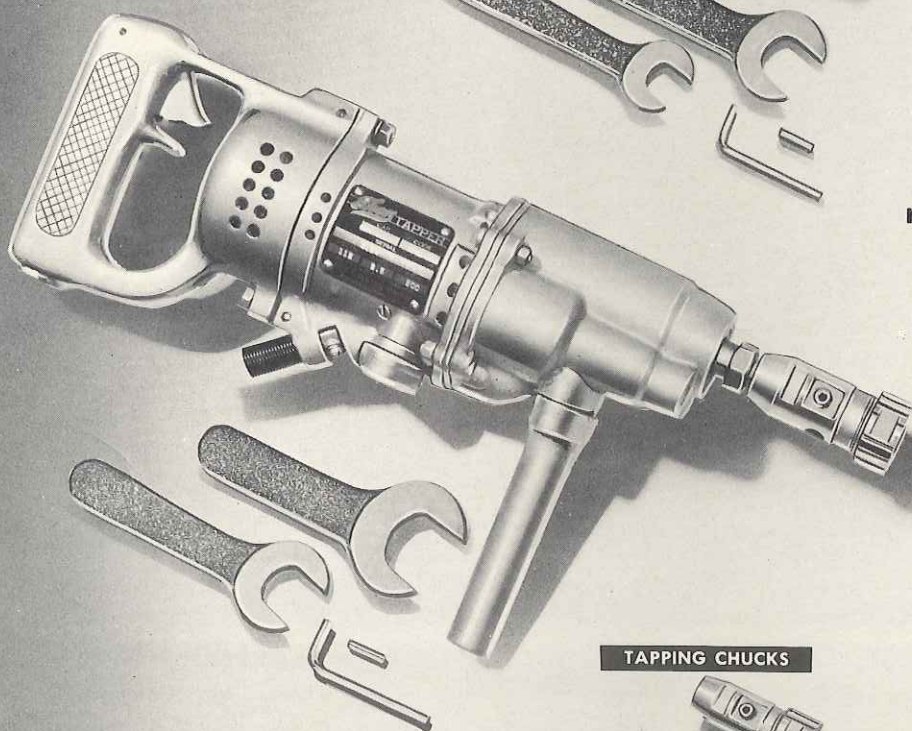
Special purpose machines specifically designed for tapping operations where the tool must be brought to the work. Mechanical reverse is almost completely automatic, when the tool is pushed forward, it drives forward. When it is pulled back, it reverses its direction and backs the tap out under power. Standard and heavy duty models.



### no. UKS HEAVY DUTY 1/4" TAPPER

capacity ..... 1/4"  
speed ..... 460 R.P.M.  
bearings ... all heavy duty ball bearings throughout  
weight ..... 8 1/4 lbs.  
shipping weight ..... 11 lbs.  
overall length ..... 14 3/4"

Equipment includes no. 75282 tapping chuck; grip handle with momentary plunger switch and lock; seven feet of 3-conductor cable and plug.



### no. UBR HEAVY DUTY 3/8" TAPPER

capacity ..... 3/8"  
speed ..... 500 R.P.M.  
bearings ... all heavy duty ball bearings throughout  
weight ..... 11 1/2 lbs.  
shipping weight ..... 14 lbs.  
overall length ..... 16 1/4"

Equipment includes no. 75839 tapping chuck; grip handle with momentary trigger switch and lock; seven feet of 3-conductor cable and plug.

TAPPING CHUCKS



COMPLETE ACCESSORIES  
LISTING ... PAGE 49

## Sheet Metal NIBBLER

### no. U1N SHEET METAL NIBBLER

capacity to { no. 20 ga. mild sheet steel  
no. 16 ga. soft sheet alum.  
minimum cutting radius ..... 1"  
diameter of body ..... 2 1/2"  
weight ..... 3 3/4 lbs.  
shipping weight ..... 6 lbs.  
overall length ..... 9"

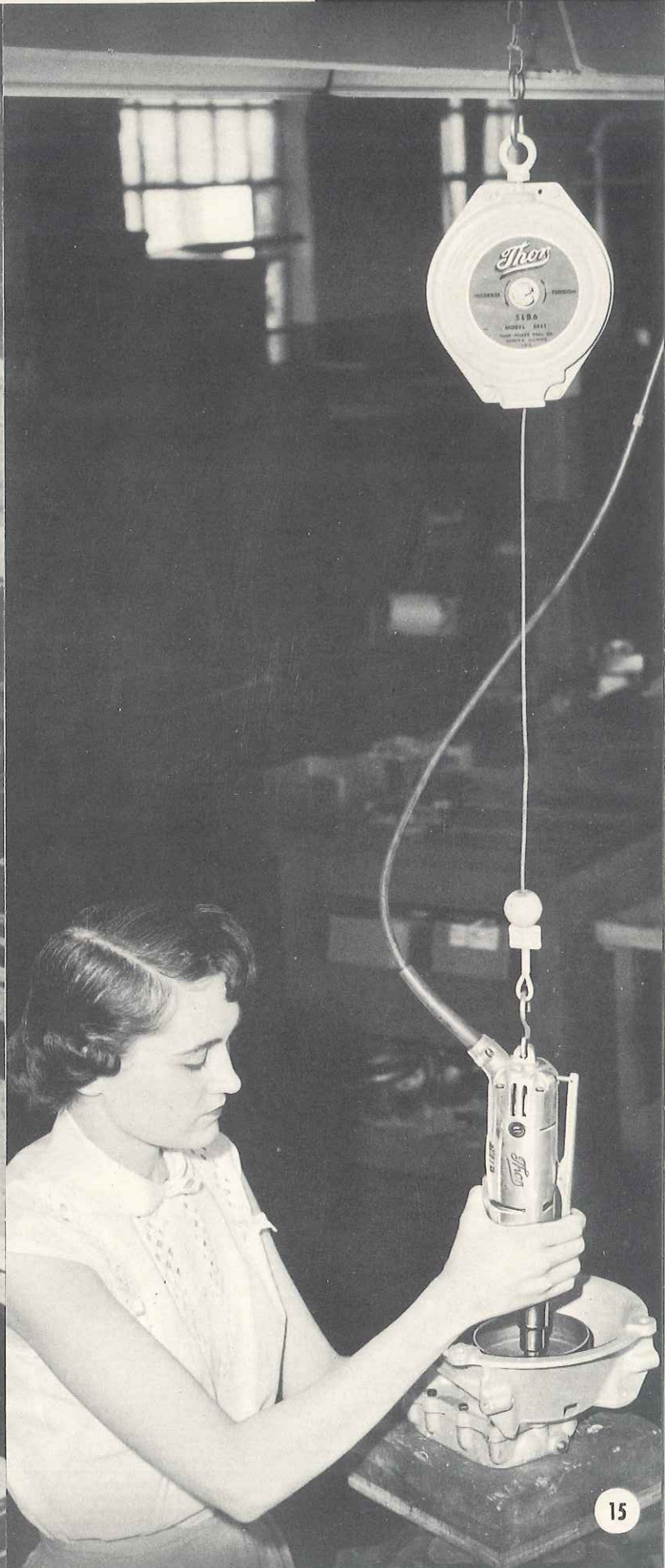
Equipment includes 1 extra cutting punch; adjusting wrench, wrench for clamp screw; seven feet of 3-conductor cable and plug.





Cutting costs of assembly operations is a specialty with Thor, made possible both by the complete range of assembly tools available, plus engineering assistance for particular problems, based on Thor's long and wide experience in this field. Power assembly tools can increase your production, lower your costs, improve the quality of your product.

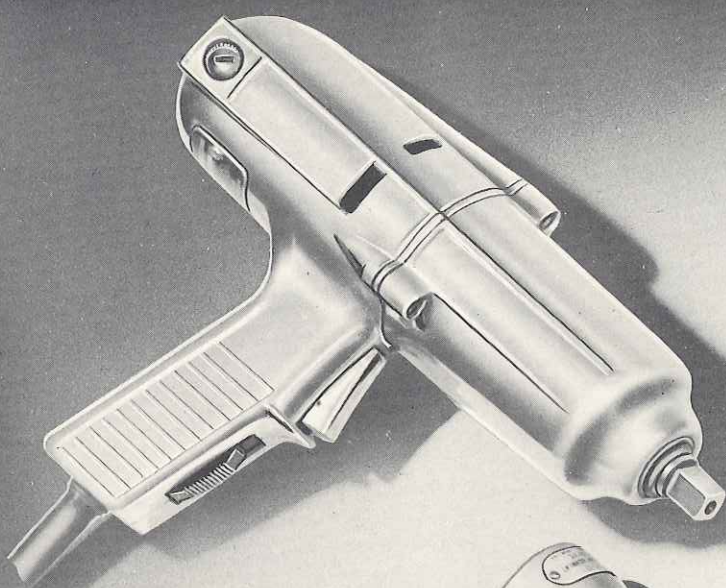
## IMPACT WRENCHES SCREWDRIVERS NUTSETTERS



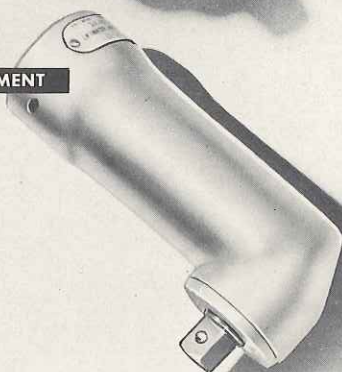


# 1/2" Sq. Drive IMPACT WRENCH

This 1/2" square drive tool is recommended for normal impact wrench applications, where production requirements do not call for the stamina of a more expensive tool. Exclusive slide reverse switch on trigger handle for easier operation. With attachments can be used for drilling in wood, metal or masonry, sanding, wire-brushing, etc.



RIGHT ANGLE ATTACHMENT



## no. EW5 IMPACT WRENCH 1/2" drive

capacity	3/8"
speed (forward or reverse)	1900 R.P.M.
blows per minute	1900
bearings	ball bearings and anti-friction bearings
weight	7 lbs.
shipping weight	10 lbs.
overall length	9 5/8"
spindle offset	1 1/8"

Equipped with momentary trigger switch; reversing switch; 15 feet 3-conductor cable and plug.



COMPLETE ACCESSORIES  
LISTING ... PAGE 49

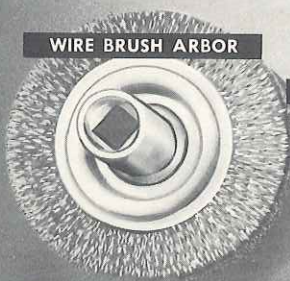


## no. EW5KC Carrying Case Kit

CONTENTS: model EW5 Impact Wrench with six hexagon sockets, 1/2", 9/16", 5/8", 1 1/16", 3/4", 1 3/16"; no. 16906 steel carrying case.  
(shipping weight 13 lbs.)

## no. EW5K Basic Kit

CONTENTS: model EW5 Impact Wrench with six hexagon sockets, 1/2", 9/16", 5/8", 1 1/16", 3/4", 1 3/16".  
(shipping weight 11 lbs.)



WIRE BRUSH ARBOR



HOLE SAWS



CHUCKS



MORSE TAPERS



COLLET CHUCK



SOCKETS



UNIVERSAL JOINTS



SCREWDRIVING CHUCK



BIT AND FINDERS



Heavy duty industrial impact wrenches designed for rugged use on assembly, repair and maintenance departments. All-ball-bearing construction, heavy duty motors, slip-ring reverse, protected by steel bridge and heavy-section aluminum end-cap. Accessories for EW6 provide wide range of useful applications.

1/2"-5/8" Sq. Drive

## IMPACT WRENCHES

### no. EW6 IMPACT WRENCH 1/2" drive

capacity	3/8"
speed (forward or reverse)	2150 R.P.M.
blows per minute	2000
bearings	large ball and pin bearings
weight	6 7/8 lbs.
shipping weight	8 1/2 lbs.
overall length	10"
spindle offset	1 1/8"

Equipped with pistol grip handle; momentary trigger switch with locking pin; reversing switch; 12 feet of 3-conductor cable and plug.

### no. EW10 IMPACT WRENCH 5/8" drive

capacity	5/8"
speed (forward or reverse)	2000 R.P.M.
blows per minute	1850
bearings	large ball and pin bearings
weight	11 1/2 lbs.
shipping weight	15 1/2 lbs.
overall length	11 7/8"
spindle offset	1 13/32"

Equipped with pistol grip handle; momentary trigger switch with locking pin; reversing switch; 12 feet of 3-conductor cable and plug.



RIGHT ANGLE ATTACHMENT



### no. EW6KC Carrying Case Kit

CONTENTS: model EW6 Impact Wrench with six hexagon sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; no. 22252 steel carrying case. (shipping weight 15 lbs.)

### no. EW6K Basic Kit

CONTENTS: model EW6 Impact Wrench; no. 76387 collet chuck and wrenches; no. 21797 no. 2 M.T. Socket; no. 21798 M.T. Reducer Sleeve; six hexagon sockets, 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"; no. 78142 metal accessory box; no. 22805 drift pin. (shipping weight 13 lbs.)

### no. EW10KC Carrying Case Kit

CONTENTS: model EW10 Impact Wrench with four hexagon sockets, 13/16", 7/8", 1", 1 1/8"; no. 80852 steel carrying case. (shipping weight 25 1/2 lbs.)

### no. EW10K Basic Kit

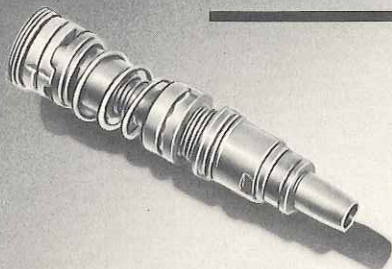
CONTENTS: model EW10 Impact Wrench; no. 22473 collet chuck with extra 1/2" collet and wrenches; no. 22470 no. 3 M.T. Socket; no. 22471 M.T. Reducer Sleeve; four hexagon sockets, 13/16", 7/8", 1", 1 1/8"; no. 22472 drift pin; no. 22187 socket wrench adaptor 5/8" female to 1/2" drive; no. 22188 socket wrench adaptor 5/8" female to 3/4" drive; no. 22537 metal accessory box. (shipping weight 20 1/2 lbs.)





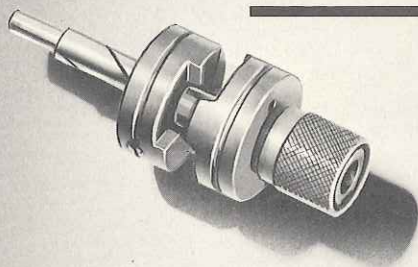
# CLUTCH ATTACHMENTS

Invented, pioneered and developed by Thor engineers, the clutch attachment permits the application of electric tools to screwdriving and nut setting applications, by allowing the motor to reach full speed before engaging it with the driving spindle. Four types of industrial clutches are available as described below.



## THOR UNI-TORK CLUTCH ATTACHMENT

The Uni-Tork clutch is a smooth, quiet, snap-in snap-out mechanism. When the desired torque is reached, Uni-Tork snaps out of engagement and remains completely disengaged until re-cycled by applying tool to next screw or nut—no ratcheting, no slipping, no buzzing of clutch jaws to cause overdriving torque variations. Just as Uni-Tork snaps out when the desired torque has been reached, it snaps into engagement when applied to work (and remains locked in engagement until correct torque is reached, instead of depending on operator pressure). This exclusive feature completely eliminates operator judgment in precision driving of threaded fasteners.



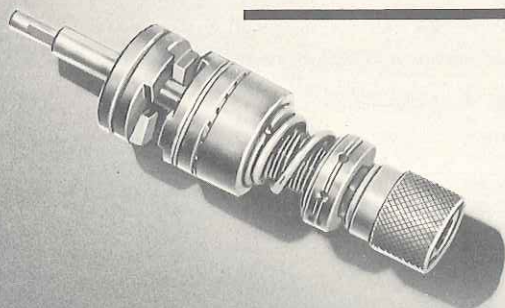
## THOR POSITIVE CLUTCH ATTACHMENT

A positive clutch attachment is equipped with two clutch jaws that are manually engaged by pressure applied by the operator. When pressure is released the clutch disengages, stopping the rotary motion of the bit. At the instant of tightening (screw or nut) the operator and the tool absorb the slight impact. Positive clutch attachments have a limited range of work because the jaw faces have a set angle. The jaws are disengaged when pressure is released. Thus, the tightening of the screw or nut depends entirely upon the judgment of the operator.



## THOR DOUBLE SLIP CLUTCH ATTACHMENT

The double slip clutch attachment has two separate clutches, one a positive, manually-engaged type which in turn drives an adjustable, spring tension slip clutch. This attachment with its adjustable feature can be set to drive any size screw in the capacity range of the attachment to a predetermined, uniform tightness. Once set, it eliminates all guess-work and guarantees tension of every nut or screw driven with 100% uniformity . . . automatically slipping when the desired tension is reached. In addition, this type of clutch cushions the impact, relieving the operator of fatiguing jolts and reducing spoilage by eliminating breaking of studs and stripping of threads. It also adds considerably to the life of the machine and clutch jaws by absorbing stress and shock loads.



## THOR KICK-OUT CLUTCH ATTACHMENT

This attachment is similar in action to the double slip clutch. It operates on virtually the same principle, except that the clutch does not slip when the desired tension is reached, but automatically kicks out, and a set of cams holds the spring tension clutch open for a full revolution of disengagement. This type is used on larger capacity machines and, like the slip clutch, it drives each screw or nut to exactly the same predetermined tension, is adjustable for driving to different tensions, and absorbs the shocks. The cam prolongs the life of the clutch jaws and lowers maintenance cost of the tool.



Mount portable power tools, gauges, blow guns, etc., on Thor suspension balancers for added efficiency, faster work cycles. Suspends tool within easy reach of the operator, plays out suspension cable as tool is applied to work, automatically retracts cable and tool as work is completed. Quick and easy external adjustments for cable tension and travel.

## 5-10 Pound Capacity BALANCERS

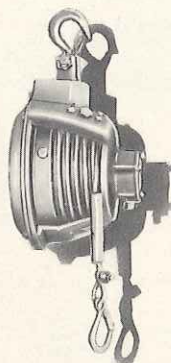
### no. 5LB6 BALANCER for tool suspension

capacity	maximum.....	5 lbs.
	minimum.....	0 lbs.
travel.....		6 ft.
weight.....		3½ lbs.
shipping weight.....		4 lbs.
hook-to-hook distance.....		11½"

Snap hook for mounting tools to cable loop available as optional equipment when specified.



### 10, 20, 30 POUND BALANCERS



Catalog No.	0	0X	10B	10BX	20B	30B
<b>Capacity, lbs.</b>						
Maximum.....	8	10	10	20	20	30
Minimum.....	0	3	5	10	10	20
<b>Range of Travel in Feet.....</b>	5	5	5	5	6	6
<b>Distance Hook to Hook</b>						
Standard*.....	19"	19"	35"	35"	54"	54"
Minimum**.....	13"	13"	16"	16"	17½"	17½"
<b>Weight, lbs.....</b>	13½	13½	12¾	12¾	45	45

\*As shipped with standard length cable.

\*\*Obtainable by shortening cable.

### no. 10LB6 BALANCER for tool suspension

capacity	maximum.....	10 lbs.
	minimum.....	1 lb.
travel.....		6 ft.
weight.....		3½ lbs.
shipping weight.....		4 lbs.
hook-to-hook distance.....		10"

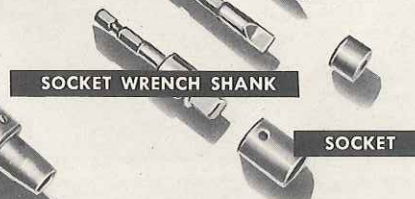
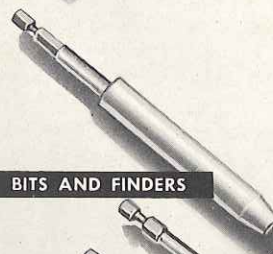
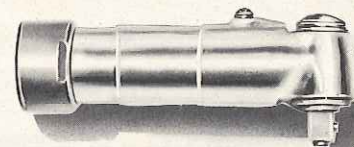
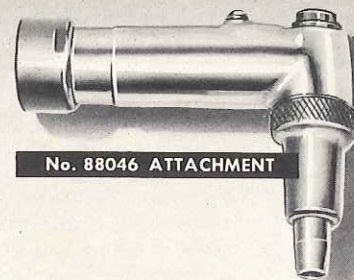
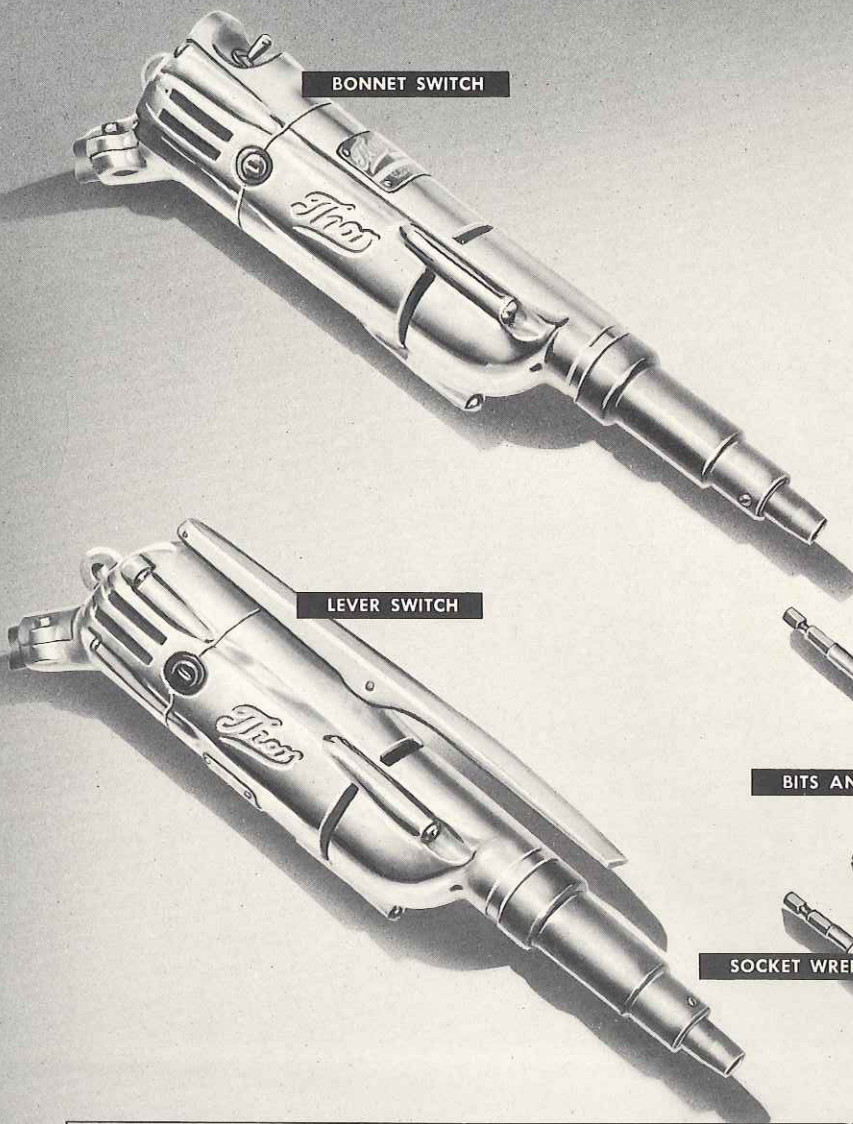
Snap hook for mounting tools to cable loop available as optional equipment when specified.





# No. 10 Capacity Reversible SCREWDRIVERS NUTSETTERS

A completely new and modern line of production screwdrivers for light assemblies using up to No. 10 threaded fasteners. Adjustable double slip clutch machines shown below for driving to predetermined tension. Available in bonnet or lever switch types, designed for suspension from Thor balancers. Reversing switch models indicated by letter "R".



Catalog No.		Speed R.P.M.	Screws or Nuts to and Including	Type Clutch	Attach- ment No.	Attachment Angle	Type Switch	Weight Pounds*		Length Inches*
Reversible	Non- Reversible							Net	Ship- ping	
	EB-19	2500	No. 8	Dbl. Slip	87060	Straight	Bonnet	3 1/16	6	12 1/4
	EB-18	1500	No. 10	Dbl. Slip	87060	Straight	Bonnet	3 1/16	6	12 1/4
	EB-17	1000	No. 10	Dbl. Slip	87060	Straight	Bonnet	3 1/16	6	12 1/4
	EB-15	550	No. 10	Dbl. Slip	87060	Straight	Bonnet	3 1/16	6	12 1/4
EBLR-14	EBL-14	2500	No. 8	Dbl. Slip	87060	Straight	Lever	3 3/16	6	12 1/4
EBLR-13	EBL-13	1500	No. 10	Dbl. Slip	87060	Straight	Lever	3 3/16	6	12 1/4
EBLR-12	EBL-12	1000	No. 10	Dbl. Slip	87060	Straight	Lever	3 3/16	6	12 1/4
EBLR-10	EBL-10	550	No. 10	Dbl. Slip	87060	Straight	Lever	3 3/16	6	12 1/4

\*Weights and lengths are for non-reversing models, reversible models weigh 1/4 lb. more and are 1 1/2" longer.

Equipped with seven feet of 3-conductor cable and plug. One finder and one 1/4" hexagon shank screwdriver bit; or one standard length socket wrench shank, 1/4", 5/16" or 3/8" square drive, and one standard socket.

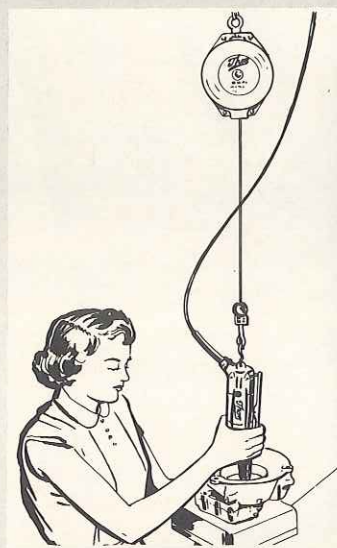
All above tools may be equipped with no. 88044 25° angle attachment at extra cost.





Holding torque inside close tolerances is a problem instantly solved by new Thor UNI-TORK screwdrivers. UNI-TORK clutches disengage *instantly* and remain disengaged until re-cycled for next screw. No ratcheting action, no slipping of clutch jaws. External adjustment holds setting indefinitely. UNI-TORK is standard on EBU drivers below.

# No. 10 Capacity Reversible SCREWDRIVERS NUTSETTERS



COMPLETE ACCESSORIES  
LISTING... PAGE 49

No. 88064 ATTACHMENT



Catalog No.		Speed R.P.M.	Screws or Nuts to and Including	Type Clutch	Attach- ment No.	Attachment Angle	Type Switch	Weight Pounds*		Length Inches*
Reversible	Non- Reversible							Net	Ship- ping	
	EBU-19	2500	No. 10	Uni-Tork	88064	Straight	Bonnet	3 5/8	6	13 1/8
	EBU-18	1500	No. 10	Uni-Tork	88064	Straight	Bonnet	3 3/8	6	13 1/8
	EBU-17	1000	No. 10	Uni-Tork	88064	Straight	Bonnet	3 3/8	6	13 1/8
	EBU-15	550	No. 10	Uni-Tork	88064	Straight	Bonnet	3 3/8	6	13 1/8
EBLUR-14	EBLU-14	2500	No. 10	Uni-Tork	88064	Straight	Lever	3 3/4	6	13 1/8
EBLUR-13	EBLU-13	1500	No. 10	Uni-Tork	88064	Straight	Lever	3 3/4	6	13 1/8
EBLUR-12	EBLU-12	1000	No. 10	Uni-Tork	88064	Straight	Lever	3 3/4	6	13 1/8
EBLUR-10	EBLU-10	550	No. 10	Uni-Tork	88064	Straight	Lever	3 3/4	6	13 1/8
	EB-40	1200	No. 10	Dbl. Slip	88046	Rt. Angle	Bonnet	4 5/16	7	13 3/8
	EB-41	800	No. 10	Dbl. Slip	88046	Rt. Angle	Bonnet	4 5/16	7	13 3/8
	EB-42	440	No. 10	Dbl. Slip	88046	Rt. Angle	Bonnet	4 5/16	7	13 3/8
EBLR-40	EBL-40	1200	No. 10	Dbl. Slip	88046	Rt. Angle	Lever	4 7/16	7	13 3/8
EBLR-41	EBL-41	800	No. 10	Dbl. Slip	88046	Rt. Angle	Lever	4 7/16	7	13 3/8
EBLR-42	EBL-42	440	No. 10	Dbl. Slip	88046	Rt. Angle	Lever	4 7/16	7	13 3/8
	EB-50†	1200	10 Nut	Dbl. Slip	88047	Rt. Angle	Bonnet	3 15/16	7	13 1/2
	EB-51†	800	10 Nut	Dbl. Slip	88047	Rt. Angle	Bonnet	3 15/16	7	13 1/2
	EB-52†	440	10 Nut	Dbl. Slip	88047	Rt. Angle	Bonnet	3 15/16	7	13 1/2
EBLR-50†	EBL-50†	1200	10 Nut	Dbl. Slip	88047	Rt. Angle	Lever	4 1/16	7	13 1/2
EBLR-51†	EBL-51†	800	10 Nut	Dbl. Slip	88047	Rt. Angle	Lever	4 1/16	7	13 1/2
EBLR-52†	EBL-52†	440	10 Nut	Dbl. Slip	88047	Rt. Angle	Lever	4 1/16	7	13 1/2

\*Weights and lengths are for non-reversing models, reversible models weigh 1/4 lb. more and are 1 1/2" longer.

†Nut Setters only, equipped with seven feet of 3-conductor cable and plug; 1/4", 5/32" or 3/8" square drive, and one standard socket.

Equipped with seven feet of 3-conductor cable and plug; one finder and one 1/4" hexagon shank screwdriver bit; or one standard length socket wrench shank, 1/4", 5/32" or 3/8" square drive, and one standard socket.



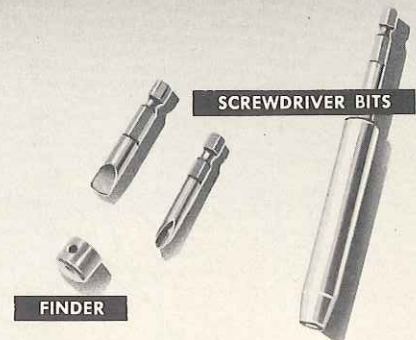


# No. 12 Capacity SCREWDRIVERS NUTSETTERS

The complete line of pistol grip tools for production screw driving and nut setting, up to No. 12 thread SIZE capacity. All ball bearing construction. Clutch types available to meet all industrial requirements—positive, slip, kick-out and the new Thor UNI-TORK instantaneous disengagement clutch for precise holding of torque limits.



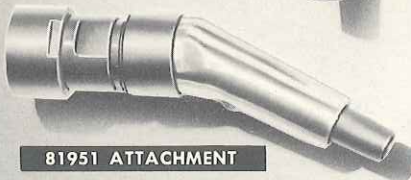
COMPLETE ACCESSORIES  
LISTING ... PAGE 49



88064 ATTACHMENT



81946 ATTACHMENT



81951 ATTACHMENT



81953 ATTACHMENT

Cat. No.	R.P.M.	Type Clutch	Attach. No.	Attach. Angle	Wt. Lbs.	Length
ED17	800	Positive	81193	Straight	3	9½"
ED16	1100	Positive	81193	Straight	3	9½"
ED18	500	Positive	81193	Straight	3	9½"
ED12	800	Dbl. Slip	81201	Straight	3	9½"
ED11	1100	Dbl. Slip	81201	Straight	3	9½"
ED13	500	Dbl. Slip	81201	Straight	3	9½"
ED47	800	Dbl. Slip	81951	25°	3½	11¼"
ED46	1100	Dbl. Slip	81951	25°	3½	11¼"
ED48	500	Dbl. Slip	81951	25°	3½	11¼"
ED11U	1100	Uni-Tork	88064	Straight	3½	10¾"
ED12U	800	Uni-Tork	88064	Straight	3½	10¾"
ED13U	500	Uni-Tork	88064	Straight	3½	10¾"
ED14U	2500	Uni-Tork	88064	Straight	3½	10¾"
ED41	880	Dbl. Slip	81946	Rt. Angle	4½	10⅞"
ED42	660	Dbl. Slip	81946	Rt. Angle	4½	10⅞"
ED51	880	Kickout	81953	Rt. Angle	3¾	10¾"
ED52	660	Kickout	81953	Rt. Angle	3¾	10¾"

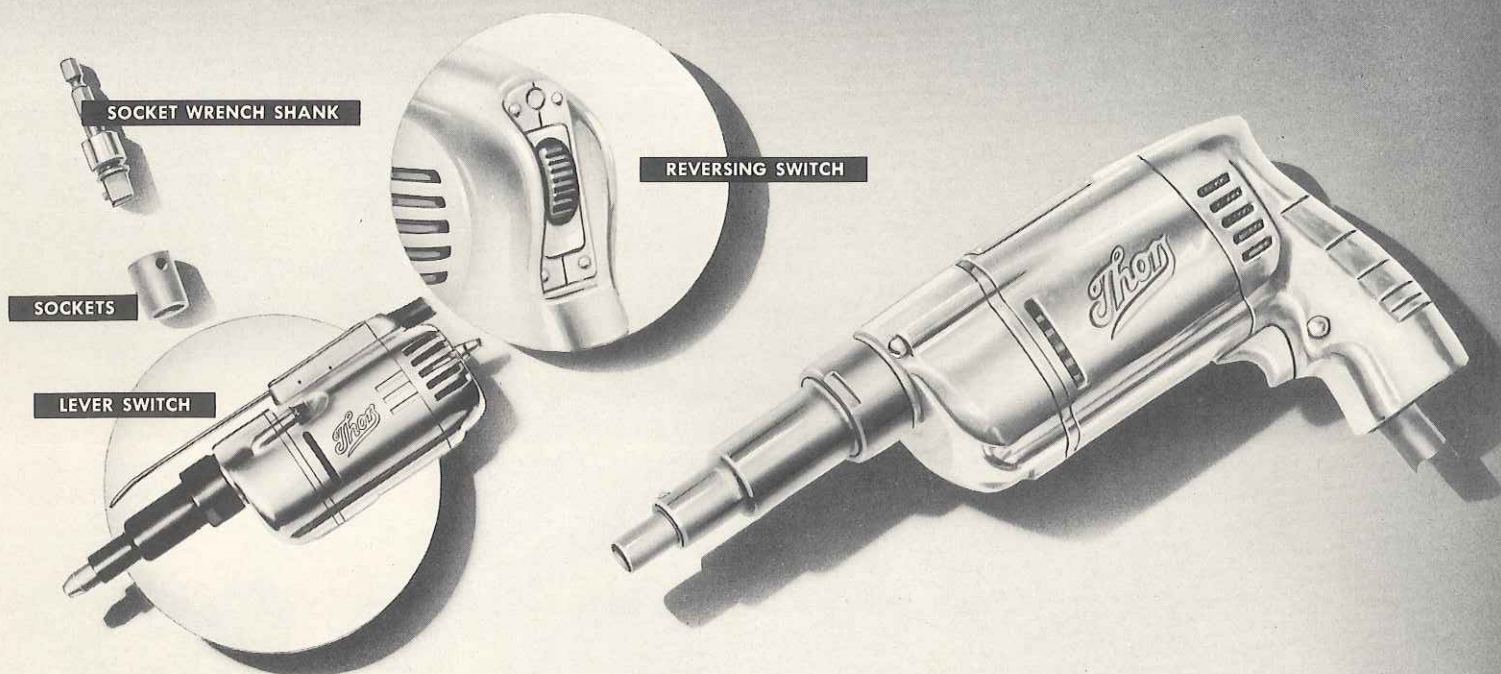
**EQUIPMENT:** ED51 and ED52 are nut setters only, with ¼", ⅜", or ½" square drive and one standard socket. All other tools in ED-series can be equipped either as screwdrivers or nut setters with optional selection of either one finder and one ¼" hexagon shank screwdriver bit; or one standard length socket wrench shank, ¼", ⅜", or ½" square drive, and one standard socket. All sizes have pistol grip with momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug.





Heavy duty all-ball-bearing industrial screwdrivers for dependable, rapid driving of threaded fasteners up to size No. 14 capacity. Complete range of speeds for all requirements. Available in positive clutch and in adjustable slip-clutch for driving to predetermined torque. Angle models for close quarter driving.

## No. 14 Capacity Reversible SCREWDRIVERS NUTSETTERS



Cat. No.		R.P.M.	Type Clutch	Attach. No.	Attach. Angle	Wt. Lbs.	Length
Reversible	Non-Reversible						
U22FR	U22F	500	Dbl. Slip	80429	†Straight	4¾	12¼"
U22FR-P	U22F-P	500	Positive	76793	Straight	4¾	12¼"
U22FR-25	U22F-25	500	Dbl. Slip	79743	25°	4¾	12¼"
U16FR	U16F	750	Dbl. Slip	80429	†Straight	4¾	12¼"
U16FR-P	U16F-P	750	Positive	76793	Straight	4¾	12¼"
U16FR-25	U16F-25	750	Dbl. Slip	79743	25°	4¾	12¼"
U18FR	U18F	1000	Dbl. Slip	80429	†Straight	4¾	12¼"
U18FR-P	U18F-P	1000	Positive	76793	Straight	4¾	12¼"
U18FR-25	U18F-25	1000	Dbl. Slip	79743	25°	4¾	12¼"
*U18FLR	*U18FL	1000	Dbl. Slip	80429	†Straight	4⅝	10⅞"
*U18FLR-25	*U18FL-25	1000	Dbl. Slip	79743	25°	4⅝	10⅞"
U19FR	U19F	600	Dbl. Slip	79408	Rt. Angle	4¾	12¼"
**U19FR	**U19F	400	Dbl. Slip	79408	Rt. Angle	4¾	12¼"
**U19FR	**U19F	800	Dbl. Slip	79408	Rt. Angle	4¾	12¼"
U19FNR	U19FN	375	Kickout	68797	Rt. Angle	4¾	12¼"
**U19FNR	**U19FN	250	Kickout	68797	Rt. Angle	4¾	12¼"
**U19FNR	**U19FN	500	Kickout	68797	Rt. Angle	4¾	12¼"

\*Furnished with lever throttle standard.

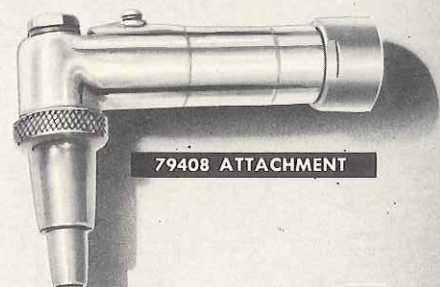
\*\*Optional speed models—when ordering specify speed.

†May be ordered with UNI-TORK clutch attachment no. 88496 (in place of attachment specified) at extra cost.

**EQUIPMENT:** U19FN is nut setter only, with ⅜" or ½" square drive and one standard socket. All other tools in F-series can be equipped either as screwdrivers or nutsetters with optional selection of either one finder and one ¼" hexagon shank screwdriver bit; or one standard length socket wrench shank, ¼", ⅜" or ½" square drive, and one standard socket. All sizes (except U18FL, U18FL-25) have pistol grip with momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug.



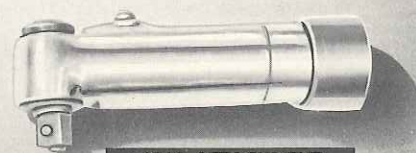
No. 88496 ATTACHMENT



79408 ATTACHMENT



79743 ATTACHMENT



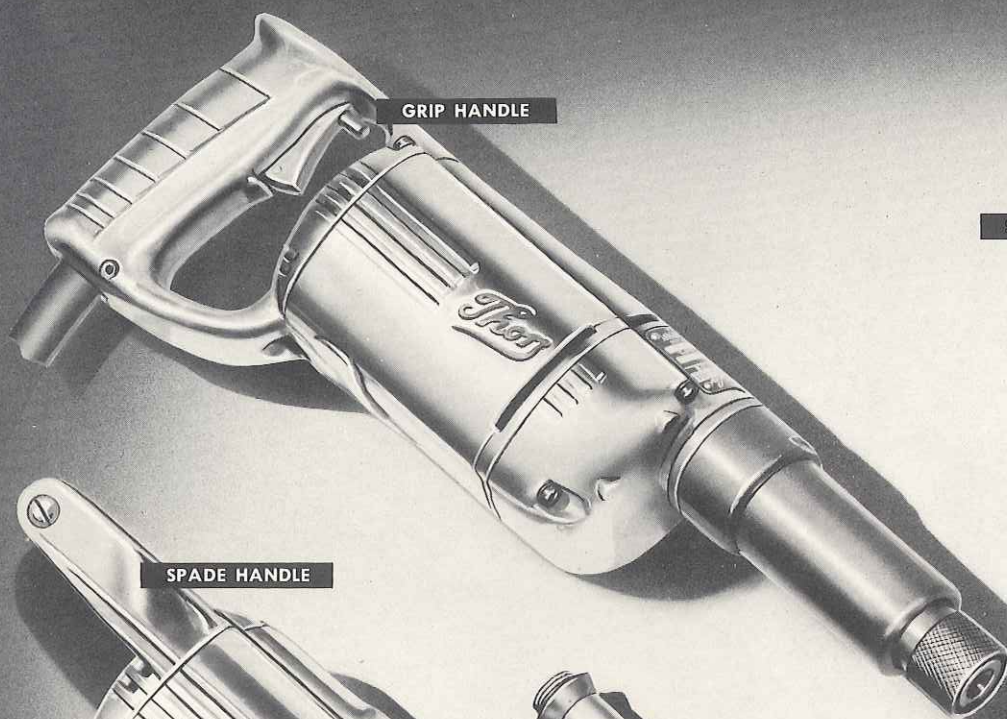
68797 ATTACHMENT



## No. 18 Capacity Reversible

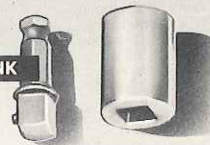
# SCREWDRIVERS NUTSETTERS

Heavy duty all-ball-bearing industrial nut setters and screwdrivers powered with the famous Thor EJ motor. Side handle models available with reversing switches for disassembly and repair work. Available with positive clutches or with adjustable kick-out clutches for driving threaded fasteners to predetermined torque.



GRIP HANDLE

SOCKET WRENCH SHANK



SOCKETS



SPADE HANDLE

DEAD HANDLE

Cat. No.		Capacity		R.P.M.	Type Clutch	Attachment No.	Type Handle	Wt. Lbs.	Length
Reversible	Non-Reversible	Screw	Nut Thrd. Size						
*EJ18R	EJ18	No. 18	3/8"	500	Positive	82045	Side	8 1/4	12 1/8"
	EJ23	No. 18	3/8"	500	Kickout	82023	Grip	8	15 1/2"
	EJ12	No. 18	5/16"	750	Positive	82045	Grip	7 3/4	13 1/4"
	EJ22	No. 18	5/16"	750	Kickout	82023	Grip	8	15 1/2"
*EJ27R	EJ27	No. 18	5/16"	750	Kickout	82023	Side	8 3/8	14 7/8"

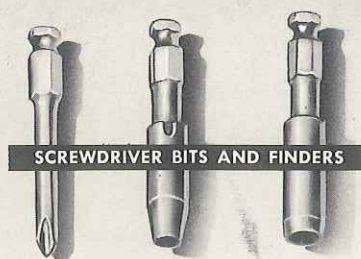
\*With reversing switch built into handle.

**EQUIPMENT:** All sizes equipped with one standard 5/16" hexagon socket wrench shank with 1/2" square drive and one standard socket or one 5/16" hexagon shank screwdriver bit and finder assembly; seven feet of 3-conductor cable and plug. EJ18R, EJ18, EJ27R and EJ27 equipped with side handle, spade handle and dead handle; EJ23, EJ12 and EJ22 equipped with grip handle. All sizes have momentary trigger switch with locking pin.



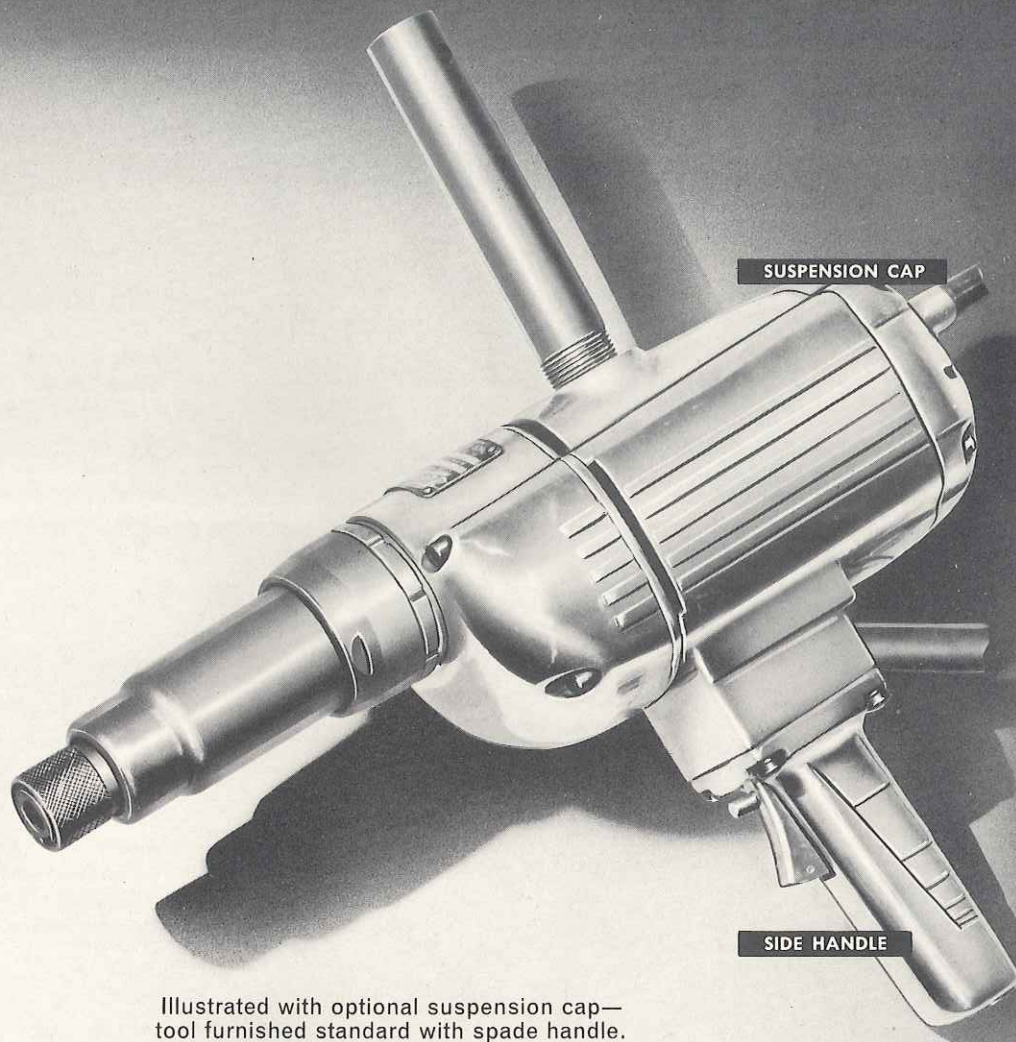
Large capacity drivers for setting nuts or lag screws up to No. 24 ( $\frac{1}{2}$ " capacity. Available with reversing switch for removing threaded fasteners. Super-powered with Thor "EL" class motors used in extra-heavy-duty  $\frac{1}{2}$ " drills. Clutch types include positive for manual control or adjustable kick-out for driving to predetermined torque.

## No. 24 Capacity Reversible SCREWDRIVERS NUTSETTERS



SCREWDRIVER BITS AND FINDERS

COMPLETE ACCESSORIES  
LISTING . . . PAGE 49



Illustrated with optional suspension cap—  
tool furnished standard with spade handle.

Cat. No.		Capacity		R.P.M.	Type Clutch	Attachment No.	Type Handle	Wt. Lbs.	Length
Reversible	Non-Reversible	Screw	Nut Thrd. Size						
EL23R	EL23	*No. 24	$\frac{1}{2}$ "	525	Kickout	82333	Side	15	15 $\frac{1}{4}$ "
EL28R	EL28	*No. 24	$\frac{1}{2}$ "	525	Positive	82062	Side	14 $\frac{3}{4}$	14 $\frac{3}{4}$ "
EL24R	EL24	*No. 24	$\frac{1}{2}$ "	350	Kickout	82333	Side	15	15 $\frac{1}{4}$ "
EL29R	EL29	*No. 24	$\frac{1}{2}$ "	350	Positive	82062	Side	14 $\frac{3}{4}$	14 $\frac{3}{4}$ "

\*And up to  $\frac{3}{8}$ " Lag Screws.

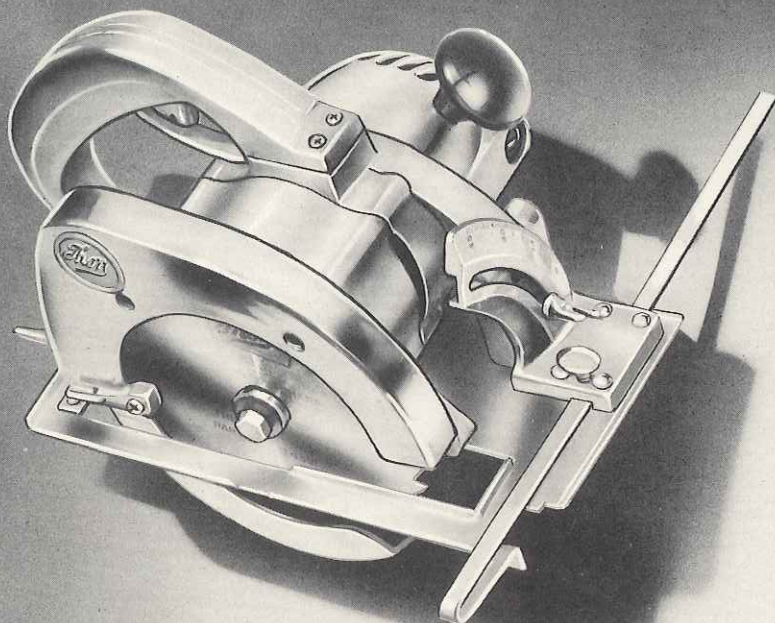
**EQUIPMENT:** All sizes equipped with one no. 20519  $\frac{7}{16}$ " hexagon socket wrench shank with  $\frac{1}{2}$ " square drive, or one standard size  $\frac{7}{16}$ " hexagon shank screwdriver bit and finder assembly; side handle with momentary trigger switch and locking pin, spade handle, dead handle, seven feet of 3-conductor cable and plug. Suspension cap optional in place of spade handle. Reversible models have reversing switch built into handle.



6¼"-7" CopperLine

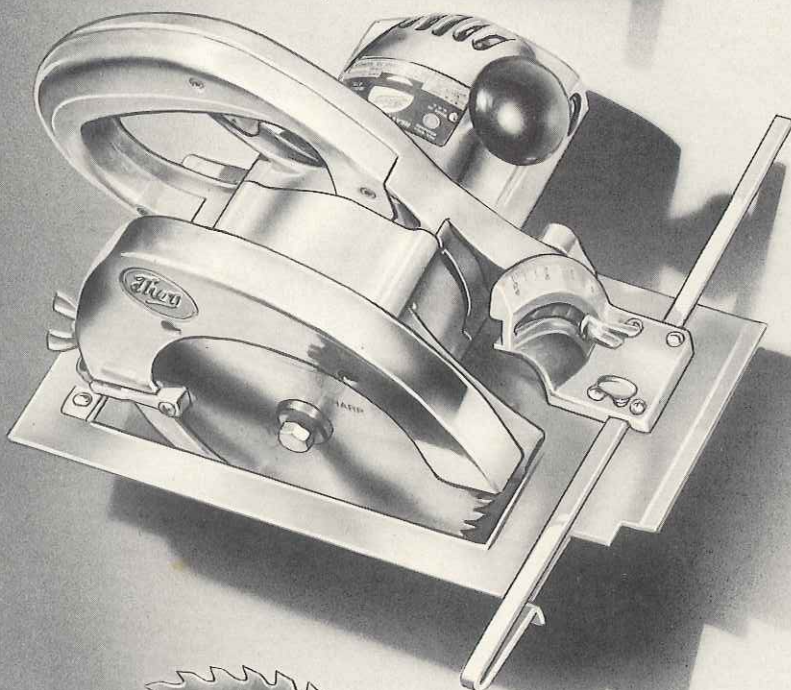
## SAWS

COPPERLINE. Economy priced tools offering power, depth of cut and operating advantages usually found only in the most expensive electric saws. Features include safety switch, automatic retractable guard with lifting lever for plunge cuts; clearly indexed angle cutting swivel for cuts to 45°; easy to follow cross-cut guide and sturdy rip guide.



### no. C6 STANDARD DUTY 6½" SAW

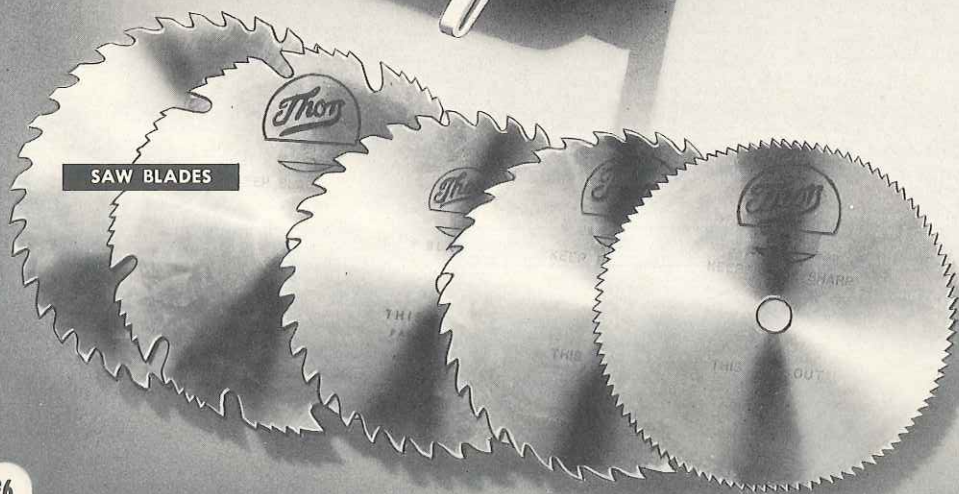
blade size .....	6½"
speed R.P.M. ....	5500
bearings .....	ball and anti-friction
max. depth of cut. ....	2½"
45° depth of cut. ....	1½"
weight lbs. ....	10½
shipping wt. lbs. ....	19



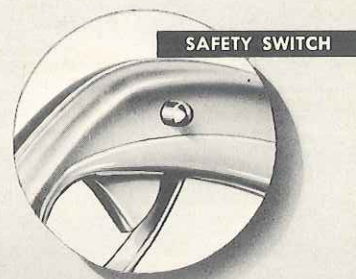
### no. C7 STANDARD DUTY 7¼" SAW

blade size .....	7¼"
speed R.P.M. ....	5400
bearings .....	all sealed ball bearings
max. depth of cut. ....	2½"
45° depth of cut. ....	1¾"
weight lbs. ....	14½
shipping wt. lbs. ....	20

Above saws are equipped with ⅝" round arbor hole; one combination blade; safety switch; telescoping spring loaded ball-bearing blade guard; 10 feet 3-conductor cable and plug.



SAW BLADES



SAFETY SWITCH



THOR POWER TOOL



COPPERLINE. Value packed electric saws for the builder equipped standard with automatically retractable blade guard, guard retracting lever, safety switch, tilting arbor to 45°, cross-cut guide, rip guide. Carrying cases available as extra equipment. No. C6 6¼" saw represents a truly exceptional value built to combine low price with standard operating features.

## 6¼"-8" CopperLine SAWS

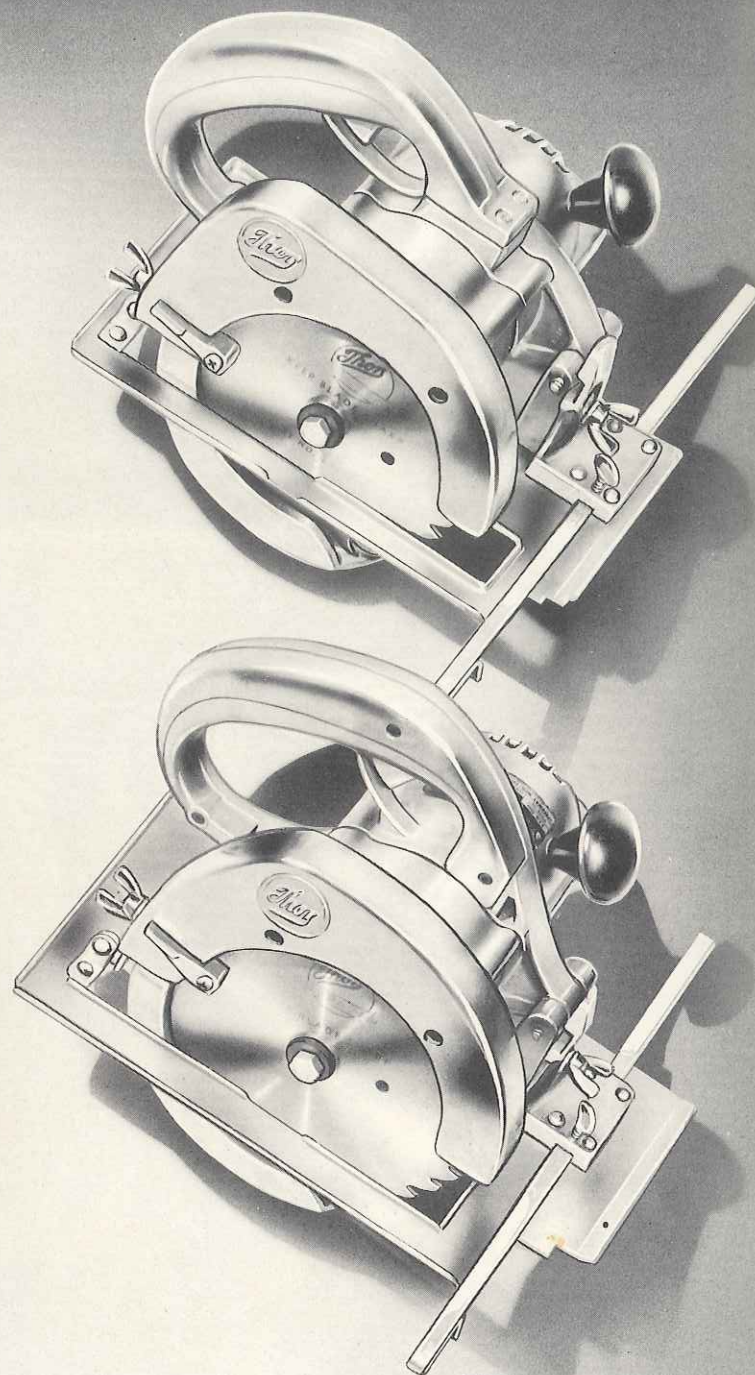
### no. C6B STANDARD DUTY 6½" SAW

blade size.....	6½"
speed R.P.M.....	5500
bearings.....	all ball bearing construction
max. depth of cut.....	2½"
45° depth of cut.....	1½"
weight lbs.....	10½
shipping wt. lbs.....	19

### no. C8 HEAVY DUTY 8" SAW

blade size.....	8"
speed R.P.M.....	5500
bearings.....	all ball bearing construction
max. depth of cut.....	2½"
45° depth of cut.....	2"
weight.....	14¾ lbs.
shipping wt.....	20 lbs.

Above saws are equipped with ¾" round arbor hole; one combination blade; safety switch; telescoping spring loaded ball-bearing blade guard; 10 feet 3-conductor cable and plug.

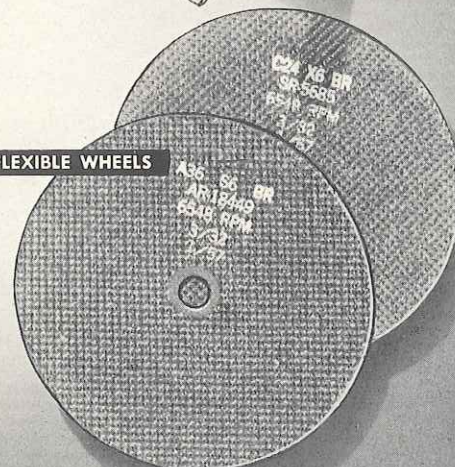


**COMPLETE ACCESSORIES  
LISTING... PAGE 49**

SAFETY SWITCH



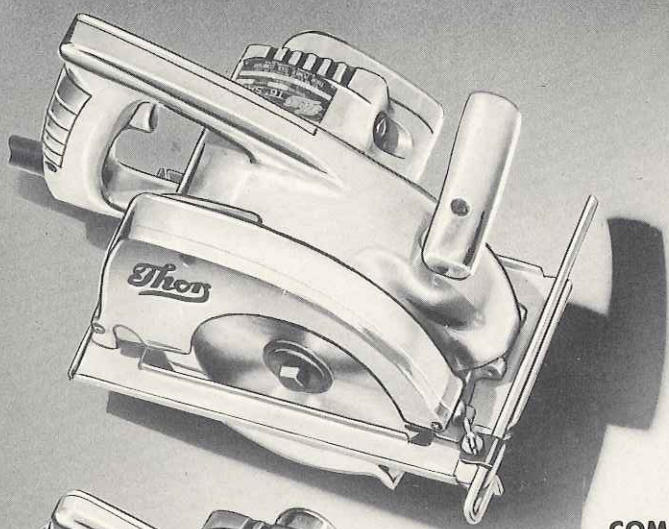
FLEXIBLE WHEELS





# 6"-7"-8" SilverLine SAWS

SILVERLINE all-ball-bearing heavy duty saws, built to industrial standards. Exclusive long-shaft blade mounting combines direct gear drive with unequalled stability, accuracy and long life. Unique safety switch completely eliminates accidental starting of blade. Ball-bearing safety guard, extra large and safe shoeplate. Rip guide standard all sizes.

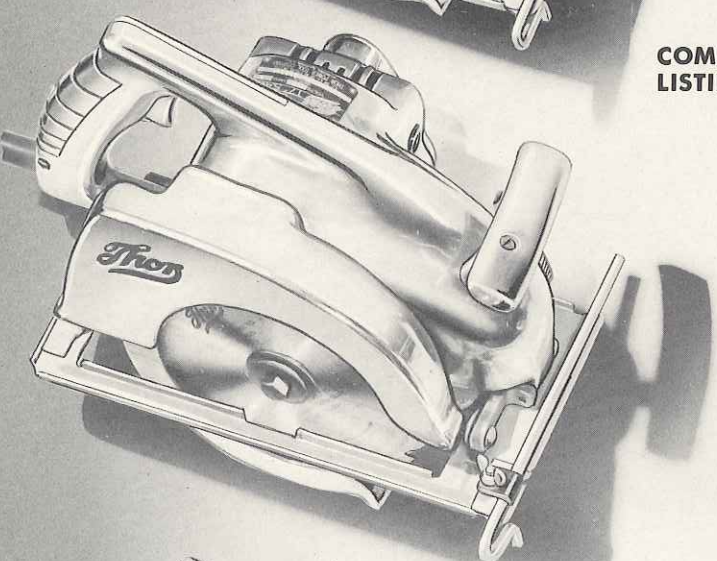


## no. T6 HEAVY DUTY 6 1/4" SAW

blade size . . . . . 6 1/4"  
speed . . . . . 5000 R.P.M.  
bearings . . . . . all heavy duty ball bearings  
max. depth of cut . . . . . 2 1/2"  
45° depth of cut . . . . . 1 3/4"  
weight . . . . . 13 1/2 lbs.  
shipping weight . . . . . 18 lbs.

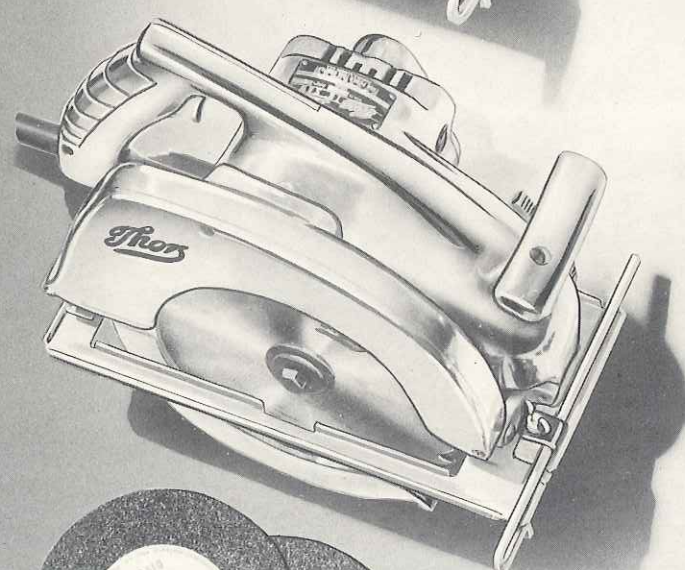


COMPLETE ACCESSORIES  
LISTING . . . PAGE 49



## no. T7 HEAVY DUTY 7 1/4" SAW

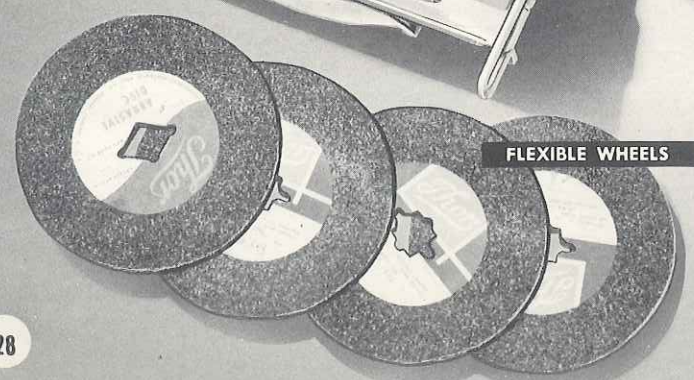
blade size . . . . . 7 1/4"  
speed . . . . . 4500 R.P.M.  
bearings . . . . . all heavy duty ball bearings  
max. depth of cut . . . . . 2 1/2"  
45° depth of cut . . . . . 1 7/8"  
weight . . . . . 17 1/4 lbs.  
shipping weight . . . . . 34 lbs.



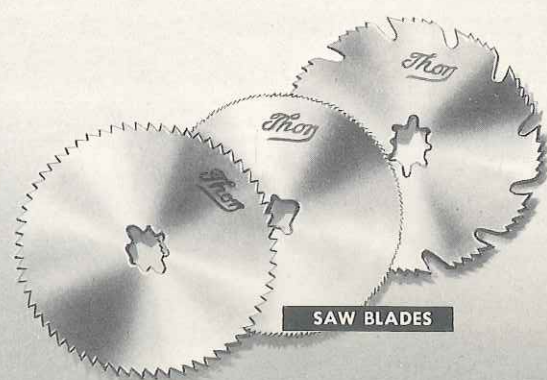
## no. T8 HEAVY DUTY 8 1/4" SAW

blade size . . . . . 8 1/4"  
speed . . . . . 4500 R.P.M.  
bearings . . . . . all heavy duty ball bearings  
max. depth of cut . . . . . 2 5/16"  
45° depth of cut . . . . . 2 5/32"  
weight . . . . . 18 lbs.  
shipping weight . . . . . 37 lbs.

All sizes equipped with diamond arbor; one combination blade; 10 feet 3-conductor cable and plug; blade nut wrench, lubricant and steel carrying case. (T6 is furnished standard without carrying case . . . To order with carrying case, specify T6C.)



FLEXIBLE WHEELS



SAW BLADES



SILVERLINE heavy duty all-ball-bearing industrial saws, for cutting timbers up to  $4\frac{7}{16}$ " thick. Exclusive longshaft blade mounting, safety switch, ball bearing blade guard. Built with left hand blade mounting for complete visibility of cut. Quick and easy, clearly indexed angle cutting adjustment to  $45^\circ$ .

## 10"-12" Silverline SAWS



SAFETY SWITCH

### no. T10 HEAVY DUTY 10" SAW

blade size	10"
speed	3000 R.P.M.
bearings	all heavy duty ball bearings
max. depth of cut	$3\frac{3}{4}$ "
$45^\circ$ depth of cut	$2\frac{3}{4}$ "
weight	35 lbs.
shipping weight	60 lbs.

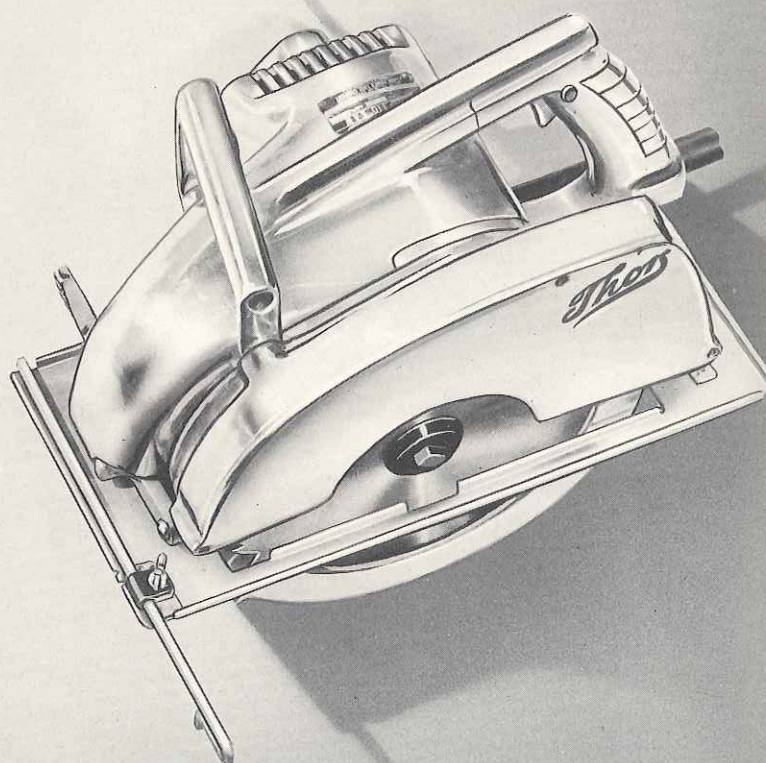
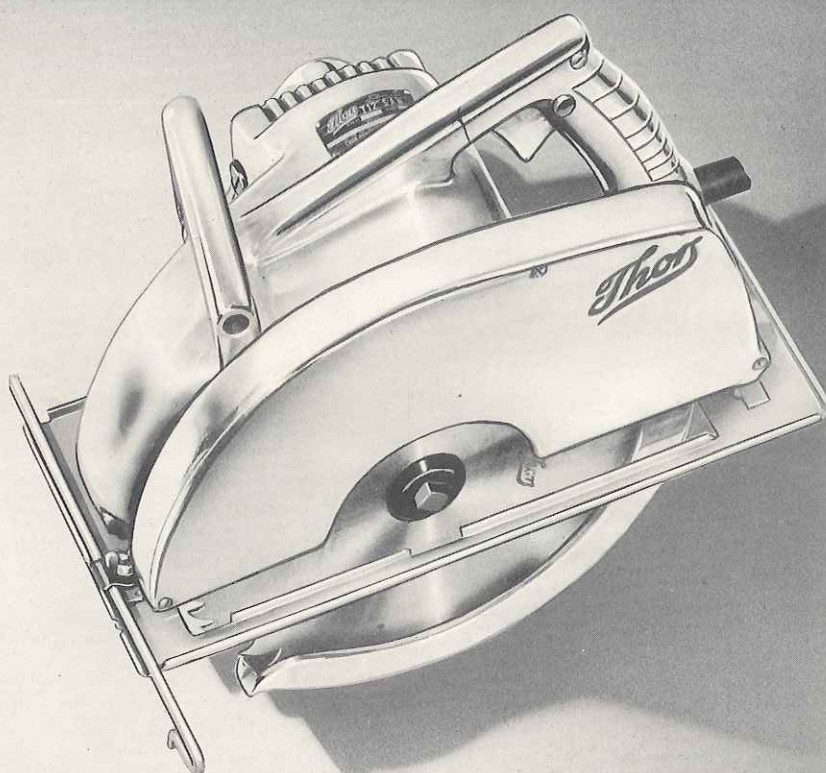


COMPLETE ACCESSORIES  
LISTING . . . PAGE 49

### no. T12 HEAVY DUTY 12" SAW

blade size	12"
speed	3000 R.P.M.
bearings	all heavy duty ball bearings
max. depth of cut	$4\frac{7}{16}$ "
$45^\circ$ depth of cut	$3\frac{1}{4}$ "
weight	$36\frac{1}{2}$ lbs.
shipping weight	62 lbs.

All sizes equipped with diamond arbor; one combination blade; 10 feet 3-conductor cable and plug; blade nut wrench, lubricant and steel carrying case.





# Air Powered UTILITY HAMMER

A powerful, light weight air hammer with automatic rotation for star drilling. Exclusive "stop rotation" external valve lever converts it instantly to a straight hammering action for chipping, chiseling, light demolition. Wide variety of accessories. A "must" for maintenance departments.



## no. 15D AIR HAMMER

drilling capacity .....	1 5/8"
chuck for shank size .....	7/8" hex. x 3 1/4"
weight lbs. ....	14
overall length .....	17 1/4"
size air hose .....	3/8"
air hose inlet .....	3/8"

Equipped with chuck for 7/8" hex. x 3 1/4" long shank accessories. Screw-on bee-hive retainer for collared shank accessories; 3 allen wrenches; one 1/2 pint can lubricating oil; "D" type handle with outside trigger; packed in cardboard box.

OPTIONAL: Latch retainer, "T" handle.

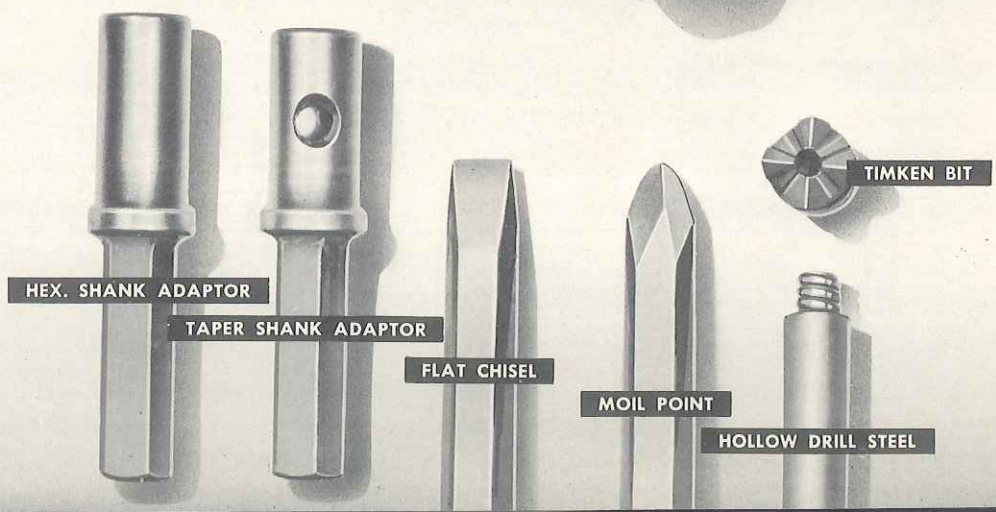
Extra equipment: Chuck no. 88461, retainer no. C-15007 to take the Thunderbolt Bit made by New England Carbide Tool Co.



## no. 15DK Carrying Case Kit

CONTENTS: model 15D air hammer with standard equipment listed above. Plus one 12" under collar drill steel 7/8" x 3 1/4" shank "S" thread for timken bits; 3 timken bits, "S" thread, sizes 1 1/4", 1 3/8" and 1 1/2"; 1 adaptor for Thor taper shank star drills; 1 adaptor for navy hexagon shank star drills and chisels.

COMPLETE ACCESSORIES  
LISTING . . . PAGE 49





Powerful electric hammer speeds all types of star drilling, chipping, chiseling in stone, wood or metal. Universal motor permits use from any electric outlet (115 volts standard, 220 and other voltage motors also available). Rubber-cushioned "sling-shot" drive amplifies power stroke, absorbs shock to motor and operator.

## Universal Electric HAMMER

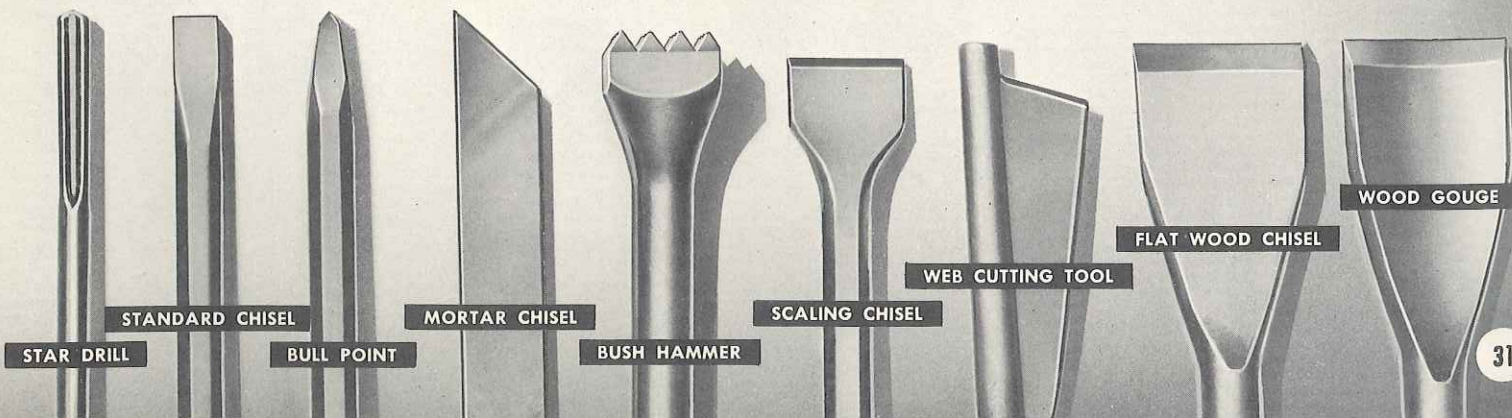
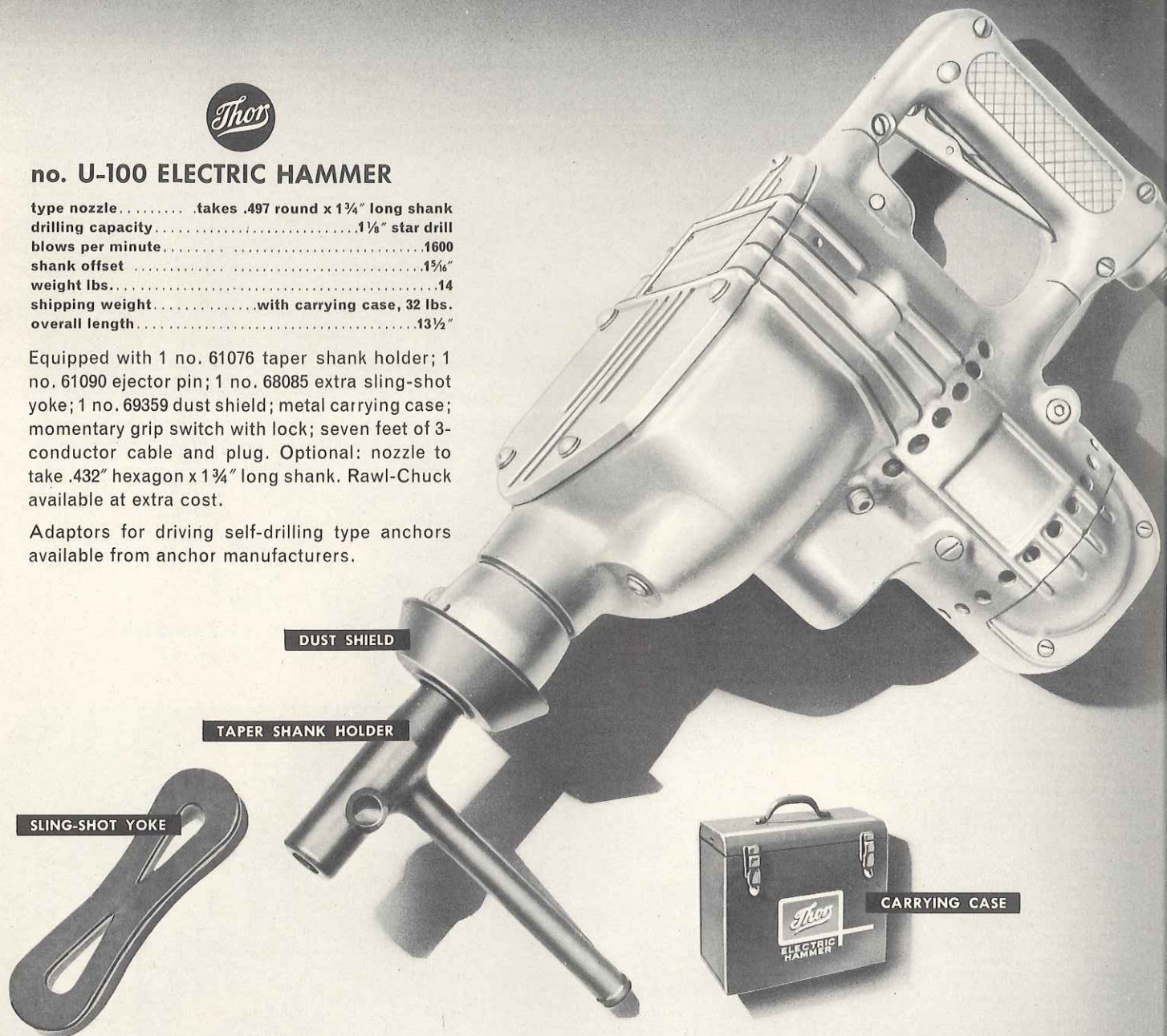


### no. U-100 ELECTRIC HAMMER

type nozzle.....takes .497 round x 1 3/4" long shank  
drilling capacity.....1 1/8" star drill  
blows per minute.....1600  
shank offset.....1 5/16"  
weight lbs.....14  
shipping weight.....with carrying case, 32 lbs.  
overall length.....13 1/2"

Equipped with 1 no. 61076 taper shank holder; 1 no. 61090 ejector pin; 1 no. 68085 extra sling-shot yoke; 1 no. 69359 dust shield; metal carrying case; momentary grip switch with lock; seven feet of 3-conductor cable and plug. Optional: nozzle to take .432" hexagon x 1 3/4" long shank. Rawl-Chuck available at extra cost.

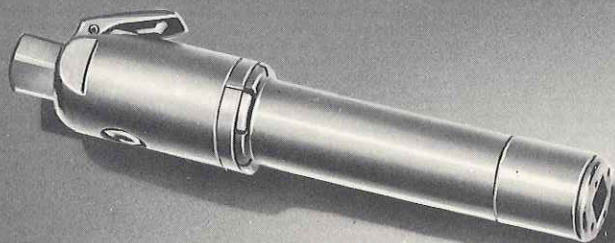
Adaptors for driving self-drilling type anchors available from anchor manufacturers.



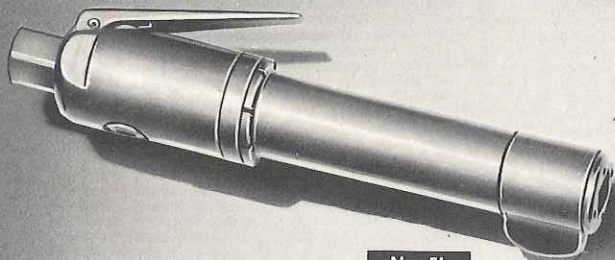


# Air Powered WELD FLUX SCALERS

Powerful, light-weight air hammers for cleaning up weld flux and splatter, paint scraping, rust removal, wood pattern and other wood chiseling, removing cores from light castings and other applications. Quick change safety retainer, square chisel nozzle assure safe, sure operation. Extra sturdy construction.



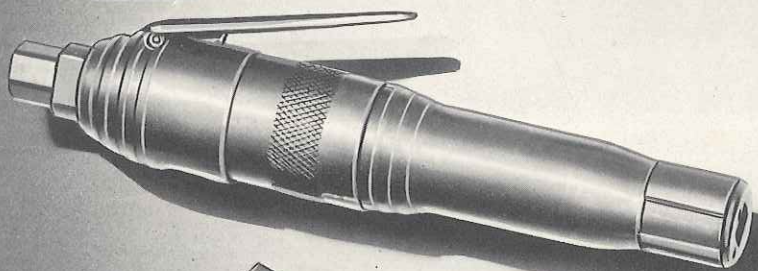
No. 5B



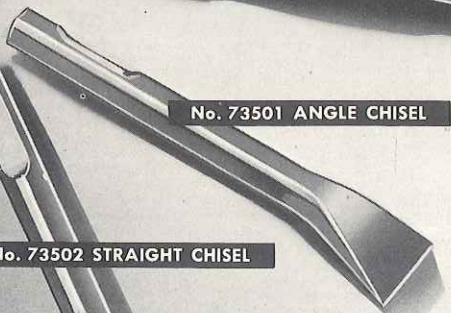
No. 5L



No. 7B



No. 7L



No. 73501 ANGLE CHISEL

No. 73502 STRAIGHT CHISEL

No. 73574 CHISEL BLANK

Cat- alog No.	Type Valve	Type Throt- tle	Stroke	Lgth. O. A.	Wght. Lbs.	Air Inlet Pipe Thrd.	Min. Hose Size
5B	Rocker Plate	Button	5/16"	7 3/4"	2 1/2	1/4"	1/4"
5L	Rocker Plate	Lever	5/16"	7 3/4"	2 1/2	1/4"	1/4"
5P	Rocker Plate	Push	5/16"	7 3/4"	2 1/2	1/4"	1/4"
7B	Plate	Button	3/4"	10 1/4"	4	1/4"	3/8"
7L	Plate	Lever	3/4"	10 1/4"	4	1/4"	3/8"
7P	Plate	Push	3/4"	10 1/4"	4	1/4"	3/8"

All sizes equipped with 1/2" square nozzle; quick change retainer; no. 73501 (6 1/2" length) angle chisel.

Optional: no. 73502 (6 1/2" length) straight chisel or no. 73574 (7" length) chisel blank.



**COMPLETE ACCESSORIES  
LISTING . . . PAGE 49**





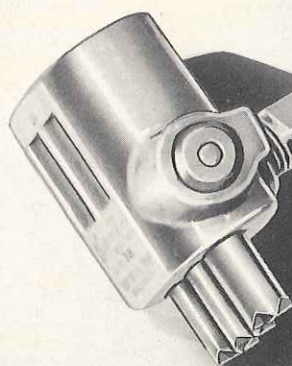
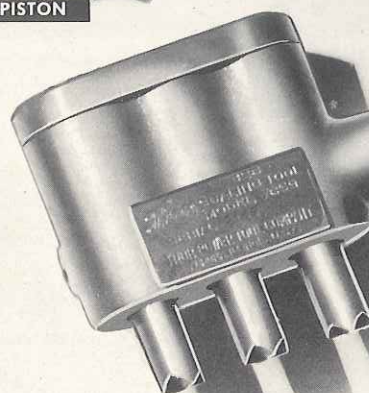
Widely used for removing rust, scale and paint, these right-angle air hammers feature rugged simplicity of design, operation and maintenance. Cutting edges are machined directly into pistons, which are hardened and ground for top operating efficiency. Replacement pistons easily installed. Stellite pistons available for No. 326 Scaler.

## Air Powered SCALING TOOLS



No. 26 REPLACEMENT PISTON

**STANDARD**  
No. 58401  
Order one



No. 326 REPLACEMENT PISTONS



**STANDARD** No. 84135  
Order three

**STELLITE** No. 84136  
Order three

Catalog No.	Number of Pistons	Stroke	Length Overall	Length of Cross-head	Weight Lbs.	Air Inlet Pipe Thread	Minimum Hose Size
26**	1	1"	14"	3½"	4¼	½"	½"
326**	3	¾"	*10¾" (side throttle) *13½" (end throttle)	4⅞"	7½	¾"	½"

\*Throttles can be assembled as side or end. Removable dead handle standard on no. 326.

\*\*Equipped standard with lever cock throttle; no. 59299 lever type throttle is extra cost equipment.

Stellite pistons for no. 326 are extra cost equipment.

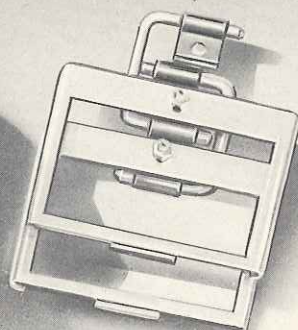
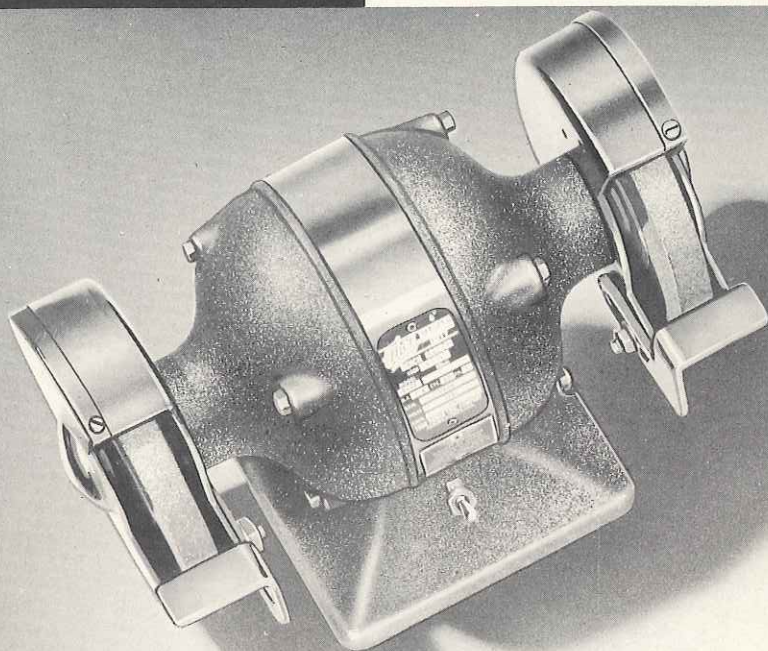




6" Wheel Standard Duty

## BENCH GRINDER

Standard duty industrial type bench grinder in 6" x 1/2" wheel capacity. Split phase motor for high starting torque, high running efficiency. Ideal for sharpening tools and other grinding applications in the shop. Equipped for mounting standard or illuminated eye-shields, both available at extra cost.



No. 64482 STANDARD EYE SHIELD

### no. B634 STANDARD DUTY BENCH GRINDER

AC Motors single phase 115 or 220 volts, 50 or 60 cycles as specified.

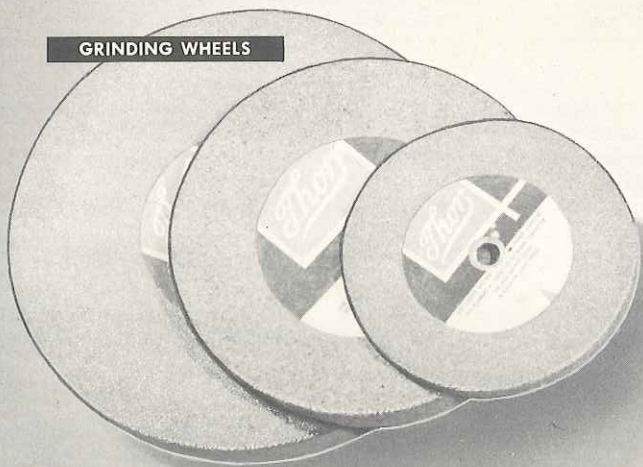
wheel size	6" x 1/2"
motor rating	1/4 h.p.
spindle thread	1/2"
(60 cycle)	3450 r.p.m.
(50 cycle)	2850 r.p.m.
weight	35 lbs.
shipping weight	45 lbs.
length overall	14"
height overall	9"
width overall	7 1/2"
bench space (base)	7 1/2" x 7 1/2"

Equipped with two wheel guards; two adjustable tool rests; two grinding wheels (one coarse, one fine). Toggle switch; ten feet of 3-conductor cable and plug.

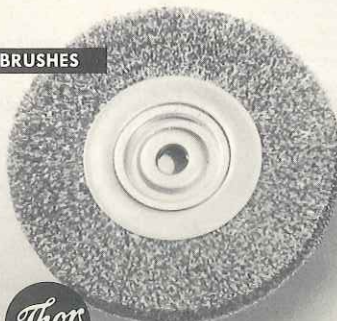


COMPLETE ACCESSORIES LISTING... PAGE 49

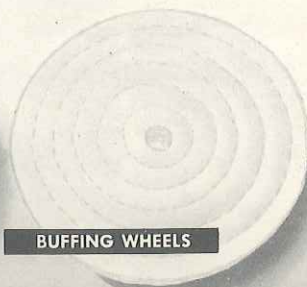
GRINDING WHEELS



WIRE BRUSHES



BUFFING WHEELS





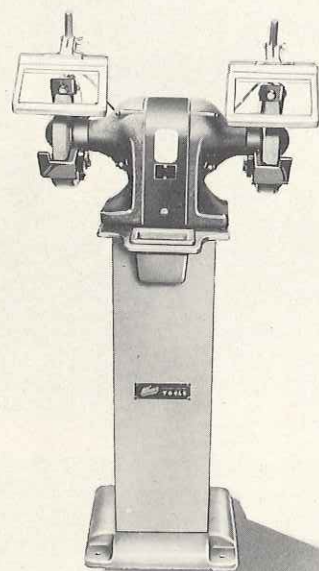
The complete line of heavy duty all ball bearing bench grinders for every industrial requirement. Spindle and guard design provides plenty of clearance for all types of grinding, buffing and wire brush work. Adjustable tool rests. Heavy duty switches. Standard or illuminated eye shields available at extra cost. Bench Grinder stand available.

# 6"-7"-8"-10" Wheel Heavy Duty BENCH GRINDER



No. 74367 ILLUMINATED EYE SHIELD

115 volt only

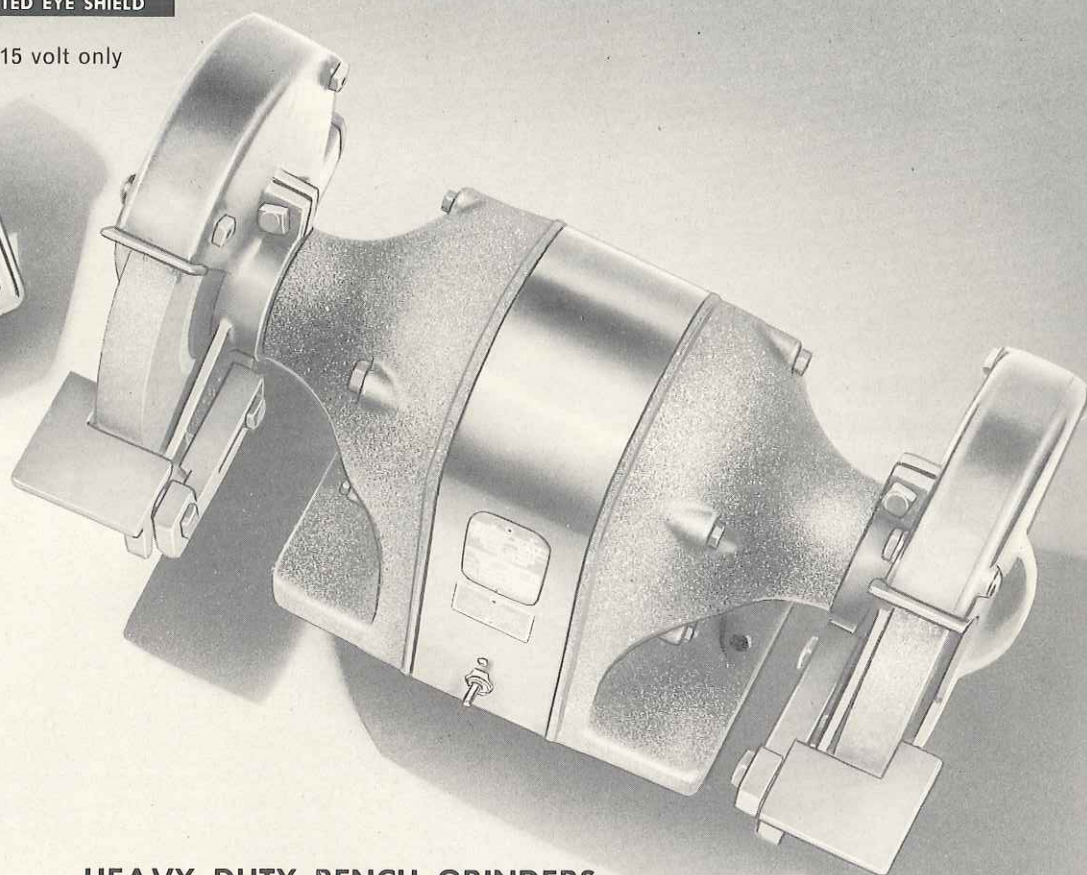


## no. BGS BENCH GRINDER PEDESTAL

For 6", 7", 8", and 10" bench grinders.

height.....31 1/4"  
base.....14" x 14"  
weight.....56 1/2 lbs.  
shipping weight.....62 lbs.

Equipped with detachable water cup; 2 each attachment bolts, nuts and washers. Base has bolt holes for rigid attachment to floor.



## HEAVY DUTY BENCH GRINDERS

AC Motors single phase 115 or 220 volts, 50 or 60 cycles as specified.

no.	B6S	B7S	B8S	B10
wheel size.....	6" x 3/4"	7" x 1"	8" x 1"	10" x 1"
motor rating.....	1/3 h.p.	1/2 h.p.	1/2 h.p.	1 h.p.
spindle thread.....	1/2"	5/8"	5/8"	3/4"
(60 cycle).....	3450 r.p.m.	3450 r.p.m.	3450 r.p.m.	1750 r.p.m.
(50 cycle).....	2850 r.p.m.	2850 r.p.m.	2850 r.p.m.	1425 r.p.m.
weight.....	58 1/2 lbs.	69 lbs.	71 lbs.	137 lbs.
shipping weight.....	69 lbs.	81 lbs.	83 lbs.	153 lbs.
length overall.....	19"	20"	20"	24"
height overall.....	11 1/4"	11 3/4"	12 1/4"	15 1/4"
width overall.....	9 1/4"	11"	11"	14"
bench space (base).....	10" x 6 3/8"	10 1/16" x 6 3/8"	10 1/16" x 6 3/8"	13 1/2" x 9 3/8"

## ADDITIONAL MOTOR TYPES

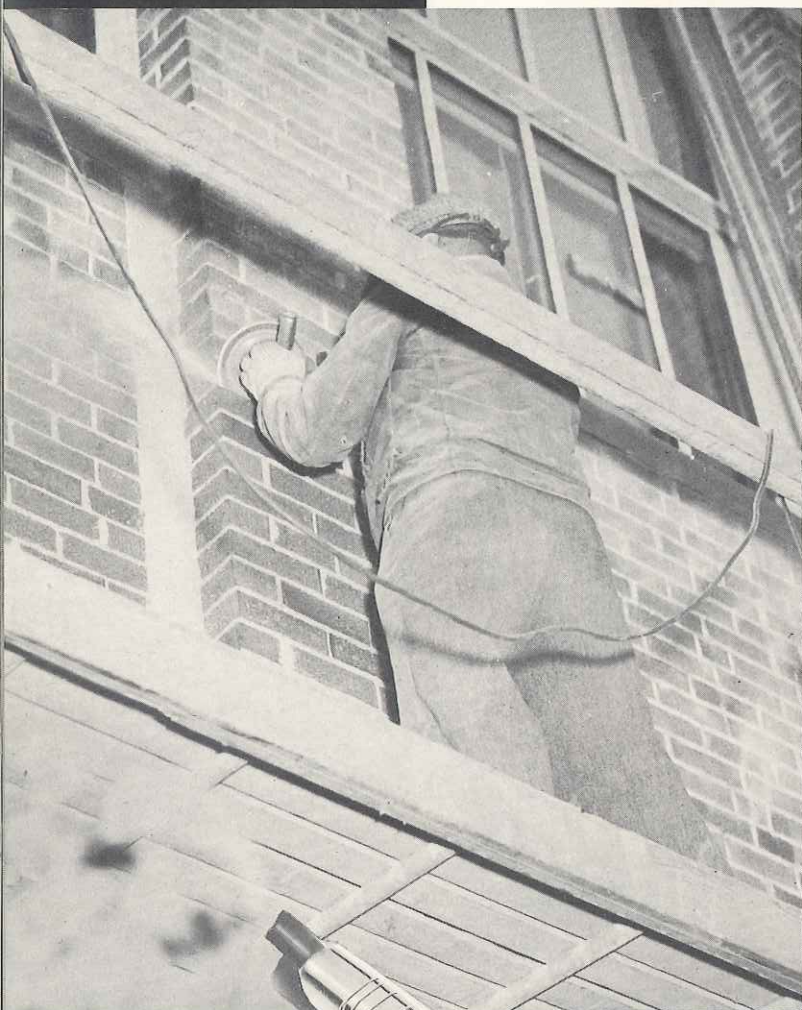
In addition to the listings above, all Thor Bench Grinders shown on this page can be furnished at extra cost wired for the following types of current: Three Phase A.C. 50 or 60 cycles, 220 or 440 volts; 25 cycle A.C. Single Phase, 115, 220 or 440 volts.

All grinders listed above equipped with two wheel guards, two adjustable tool rests, two grinding wheels (one coarse, one fine), toggle switch, 10 feet of 3-conductor cable and plug. (B10 has wired outlet box instead of the 10 ft. 3-conductor cable and plug).



# Tuck Point GRINDER

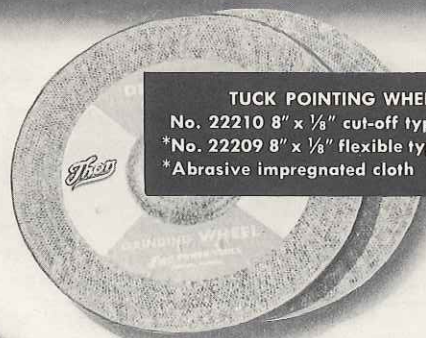
Powerful, high-speed universal electric grinder designed specifically for removing old mortar in tuck-pointing operations. Heavy duty motor maintains speed under load. Extra large diameter guard permits safe use of 8" wheels for depths of cut up to 2". Ideal for speeding tuck-pointing operations with universally available 60 cycle current.



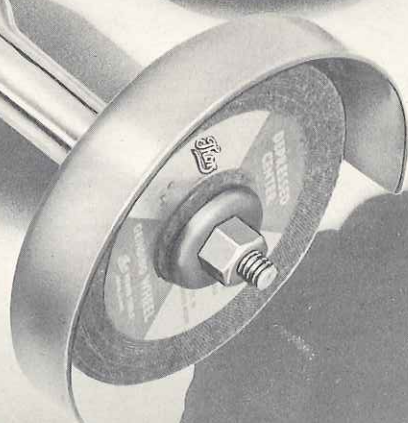
## no. EN64 TUCK POINTING GRINDER

wheel size.....8" x 1/8"  
spindle thread.....5/8" x 11  
speed.....4000 R.P.M.  
weight.....15 1/4 lbs.  
shipping weight.....23 lbs.  
length overall.....23 3/4"

Equipped with cut-off type wheel; adjustable wheel guard; straight handle with momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug; suspension hook. If specified, rubber tool rest will be furnished in place of suspension hook at no extra charge.



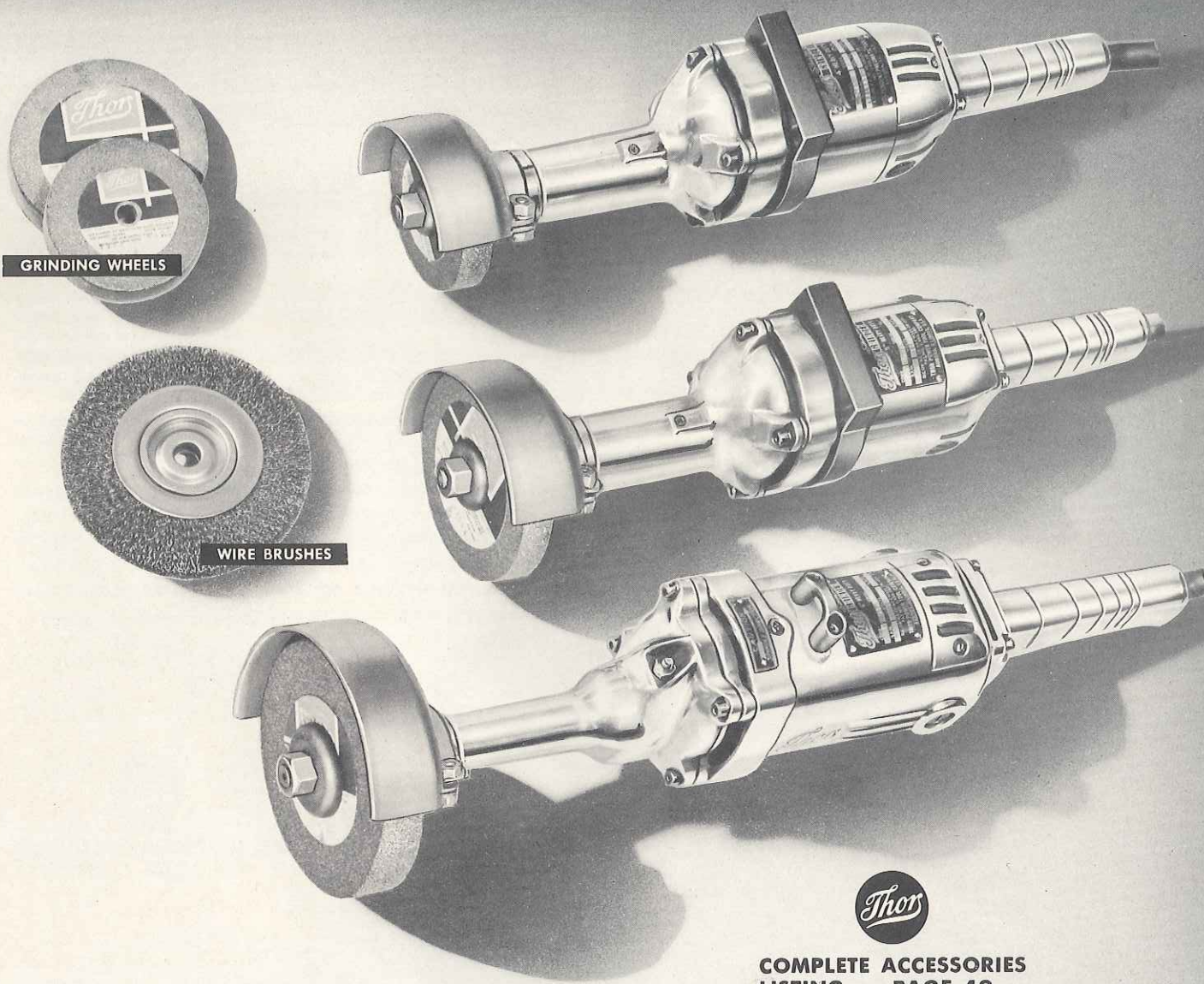
**TUCK POINTING WHEELS**  
No. 22210 8" x 1/8" cut-off type, 5/8" hole  
\*No. 22209 8" x 1/8" flexible type, 5/8" hole  
\*Abrasive impregnated cloth





SILVERLINE all ball bearing high-powered portable electric grinders. Large rugged motors minimize speed drop under load for more efficient grinding, longer wheel life. Extra large spindle support minimizes transmission of grinding vibrations to motor for extra long tool life. Light in weight, perfectly balanced for high-production operation.

## 4"-5"-6" Straight GRINDERS



**COMPLETE ACCESSORIES  
LISTING . . . PAGE 49**

### STRAIGHT GRINDERS

Catalog No.	Wheel Size	Spindle Thread	Speed R.P.M.	Weight Lbs.	Ship. Wt. Lbs.	Length Overall
EL60	4" x 3/4"	1/2" x 13	6000	10	15	18 3/4"
EL62	5" x 3/4"	1/2" x 13	4500	10 1/4	15	18 3/4"
EN62	6" x 1"	5/8" x 11	4000	15 1/4	23	23 3/4"

Equipped with one general purpose grinding wheel as specified in table above; adjustable wheel guard; straight handle with momentary trigger switch and locking pin; seven feet of 3-conductor cable and plug. EL60 and EL62 are equipped standard with rubber tool rest around tool. EN62 equipped standard with suspension hook. If specified, rubber tool rest will be furnished in place of suspension hook at no extra charge.



4"-6" Cup Wheel

## ANGLE GRINDERS

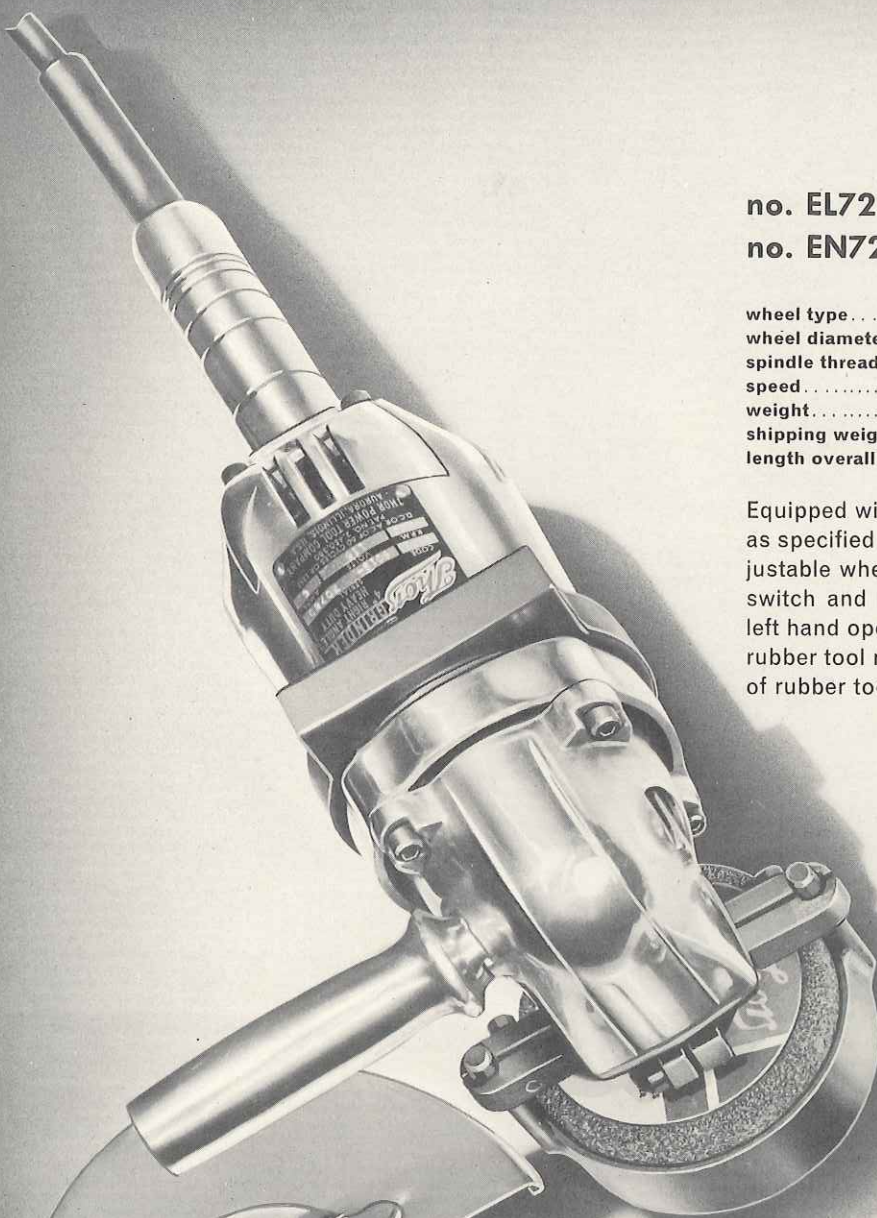
SILVERLINE all ball bearing cup wheel grinders. Heavy duty motors provide abundant power for surface grinding of metal and stone. Rugged right-angle housing and gear system provide unequalled durability and long life. Equipped standard with cup wheel, adjustable wheel guard and removable side-handle for right or left hand operation.

### no. EL72 4" CUP GRINDER

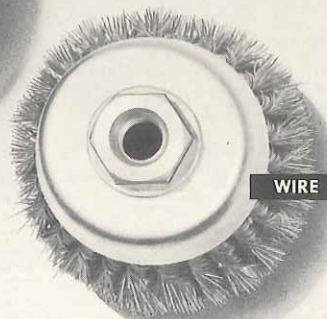
### no. EN72 6" CUP GRINDER

	EL72	EN72
wheel type . . . . .	cup	cup
wheel diameter . . . . .	4"	6"
spindle thread . . . . .	$\frac{5}{8}$ " x 11	$\frac{5}{8}$ " x 11
speed . . . . .	4500 R.P.M.	4500 R.P.M.
weight . . . . .	8½ lbs.	14¼ lbs.
shipping weight . . . . .	13 lbs.	22 lbs.
length overall . . . . .	13½"	17"

Equipped with one general purpose flared cup grinding wheel as specified in table above;  $\frac{5}{8}$ " threaded spindle with lock; adjustable wheel guard; straight handle with momentary trigger switch and locking pin; detachable side handle for right or left hand operation; seven feet of 3-conductor cable and plug; rubber tool rest. Optional no. EN72, suspension hook in place of rubber tool rest at no extra charge.



DEPRESSED CENTER DISC-WHEEL  
CONVERSION KIT



WIRE BRUSHES



GRINDING WHEELS



SILVERLINE all ball bearing right-angle grinders equipped with "depressed center wheels" (cloth reenforced grinding discs) permit grinding with surface or edge of wheel, for rapid removal of weld flux, gates and risers and other metal protuberances. Powerful motors maintain speed under load, rugged right-angle housing and gears assure long tool life.

# 7"-9" Disc Wheel ANGLE GRINDERS

## no. EN71 7" DEPRESSED CENTER GRINDER no. EN79 9" DEPRESSED CENTER GRINDER

	EN71	EN79
wheel type.....	dep. cen.	dep. cen.
wheel diameter.....	7"	9"
spindle thread.....	5/8" x 11	5/8" x 11
speed.....	6000 R.P.M.	4500 R.P.M.
weight.....	14 1/4 lbs.	14 1/4 lbs.
shipping weight.....	22 lbs.	22 lbs.
length overall.....	17"	17"

Equipped with guard and backing plate assembly; 5/8" threaded spindle with lock; straight handle with momentary trigger switch and locking pin; detachable side handle for right or left hand operation; seven feet of 3-conductor cable and plug; rubber tool rest. Optional no. EN79, suspension hook in place of rubber tool rest at no extra charge.



**COMPLETE ACCESSORIES  
LISTING ... PAGE 49**



DEPRESSED CENTER DISCS





# Orbital SANDER

Block-type sander of exceptional size, speed, and capacity for heavy duty production use on wood or metal. 4½" x 9" Sanding area. Universal motor for maximum power and long life. Ball bearing construction. ⅜" orbit duplicates motion of hand sanding ten to twenty times as fast. Quick and easy abrasive paper change.

## no. C45X9 ORBITAL SANDER

sanding area .....	4½" x 9"
full load speed .....	5000 R.P.M.
orbit .....	⅜"
paper size .....	4½" x 11"
weight .....	7¼ lbs.
shipping wt. ....	10 lbs.
length overall .....	11"

Equipped with open handle and slide switch; three-position dead handle; 10 feet 3-conductor cable and plug; one 1/0-80 grit sandpaper cover.



NEOPRENE PAD

LAMBSWOOL PAD

SANDPAPER



COMPLETE ACCESSORIES  
LISTING ... PAGE 49





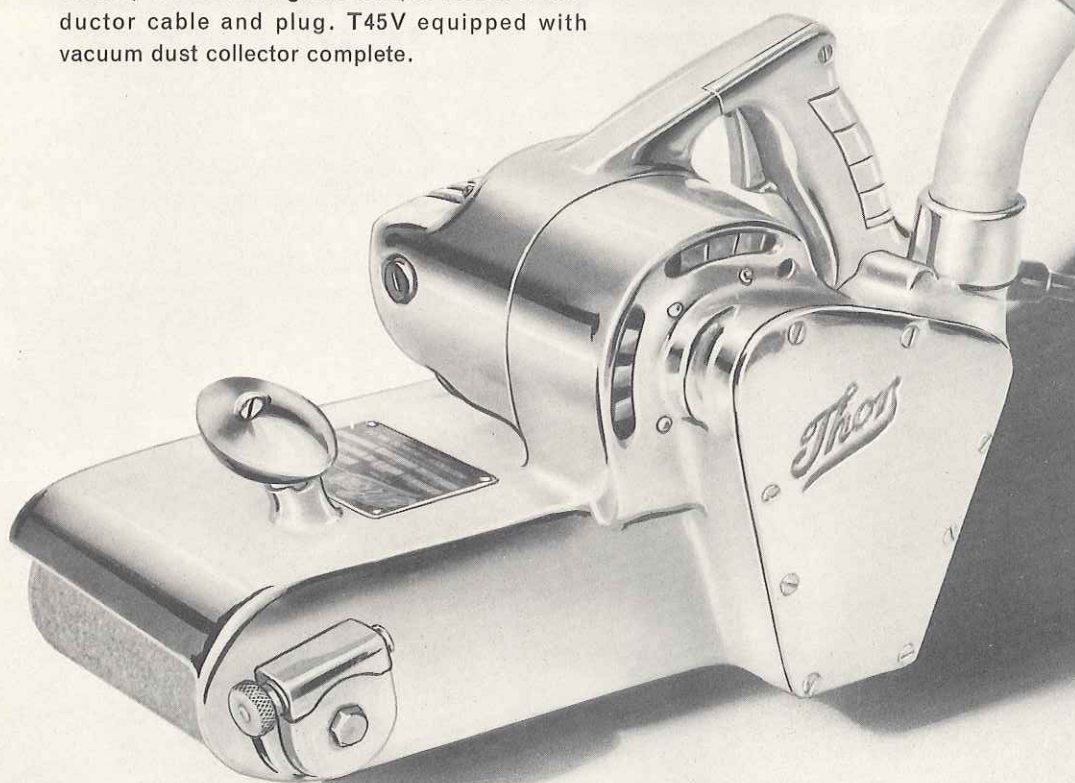
SILVERLINE Belt Sander provides maximum power for levelling off rough surfaces, removing paint and other heavy-duty abrasive applications. Quick belt change, exclusive tracking device assures true-running belt for efficient operation, long belt and tool life. Available with dust collecting blower and bag system.

## Belt SANDER

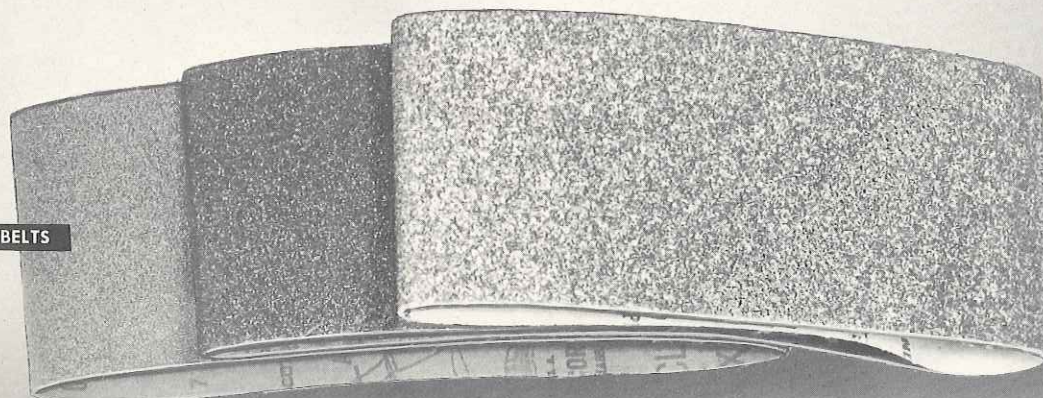
### no. T45 4½" BELT SANDER no. T45V 4½" BELT SANDER

	T45	T45V (With Vacuum Dust Collector)
belt size .....	4½" x 26"	4½" x 26"
belt speed .....	1800 F.P.M.	1800 F.P.M.
size .....	6¾" x 14½" x 9¼"	6¾" x 14½" x 9¼"
weight .....	20¾ lbs.	22¾ lbs.
shipping wt. ....	26 lbs.	27 lbs.

Equipped with grip handle; momentary trigger switch; one medium grade belt; 10 feet of 3-conductor cable and plug. T45V equipped with vacuum dust collector complete.



SANDING BELTS





7"-9" SilverLine

# DISC SANDERS

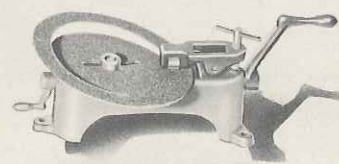
SILVERLINE all-ball-bearing disc sanders. Powerful motors maintain speed under load for maximum abrasive efficiency. Spindle lock for quick disc change to encourage use of fresh and correct abrasives for all sanding applications. Rugged right-angle gearing assures long on-the-job service, little or no maintenance costs.

## STANDARD AND HEAVY DUTY DISC SANDERS

no.	EL82	EN82	EN84	EN87	EN89
capacity	7" std.	7" h.d.	7" h.d.	9" h.d.	9" h.d.
speed R.P.M.	4500	4500	5500	4500	5500
weight lbs.	8½	14¼	14¼	14¼	14¼
shipping wt. lbs.	13	21	21	21	21
length	13½"	17"	17"	17"	17"

Equipped with 5/8" threaded spindle with lock; momentary trigger switch with locking pin; removable side handle for use on either side; rubber tool guard; flexible rubber backing pad; three assorted sanding discs; seven feet of 3-conductor cable and plug.

Optional: suspension hook in place of rubber guard on EN82, EN84, EN87 and EN89 if specified.



DISC TRIMMER

SANDING DISCS

BACKING PADS





SILVERLINE all ball bearing portable electric polishers. Famous for power-under-load, maintenance of correct speed for maximum polishing results with either wax or chemical polishing agents. Rubber bumper guard protects tool and work. Removable side handle for right or left hand operation.

## 7" SilverLine POLISHERS

### STANDARD AND HEAVY DUTY POLISHERS

no.	EL91	EL92	EN92
capacity	7" std.	7" std.	7" h.d.
speed R.P.M.	2000	1400	1400
weight lbs.	9	9	15 1/4
shipping wt. lbs.	14	14	20
length overall	14 1/4"	14 1/4"	17 3/4"

No. EL91 equipped with no. 66720 pneumatic backing pad and no. 74329 drawstring polishing bonnet. Nos. EL92 and EN92 equipped with no. 22483 flexible rubber backing pad and no. 81738 drawstring polishing bonnet.

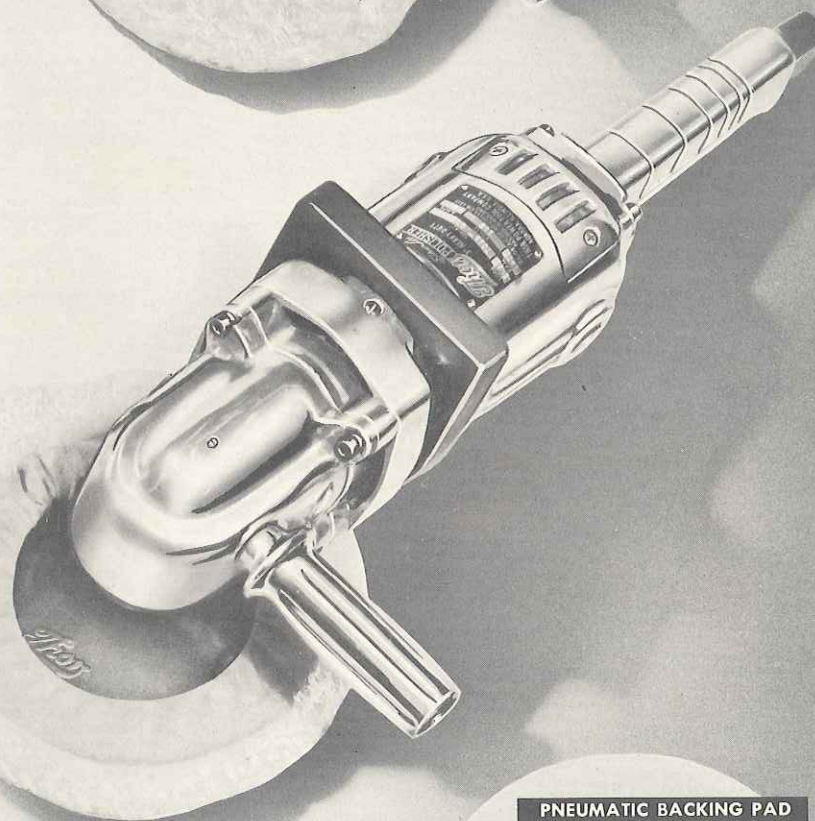
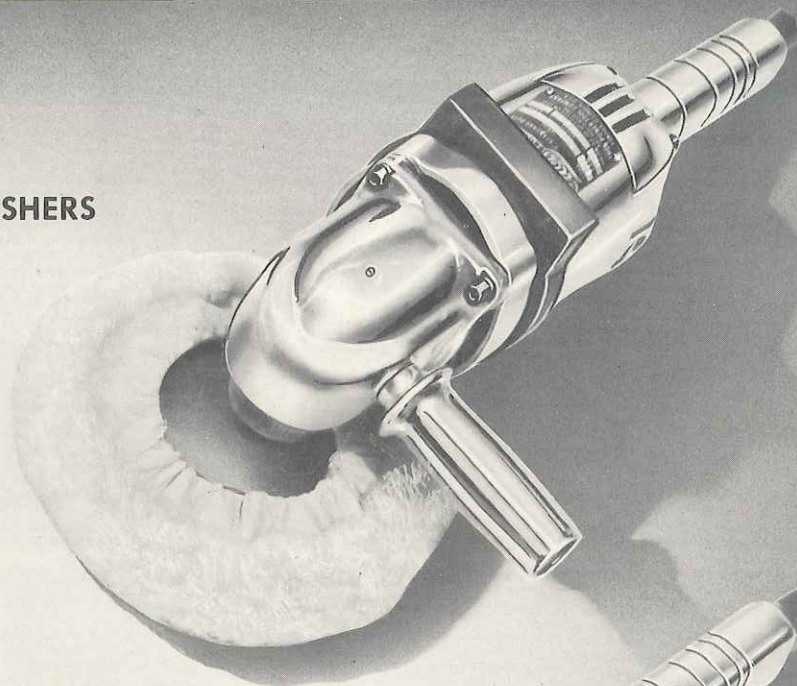
ALL POLISHERS equipped with 5/8" threaded spindle; momentary trigger switch with locking pin; removable side handle for use on either side of tool; rubber tool guard; seven feet of 3-conductor cable and plug.

Optional: Suspension hook in place of rubber guard on EN92, if specified.

EL91 HIGH SPEED POLISHER engineered specifically for high speed polishing with pneumatic pad . . . eliminating possibility of burning or lifting paint.



**COMPLETE ACCESSORIES  
LISTING . . . PAGE 49**



PNEUMATIC BACKING PAD

RUBBER BACKING PAD

POLISHING BONNETS

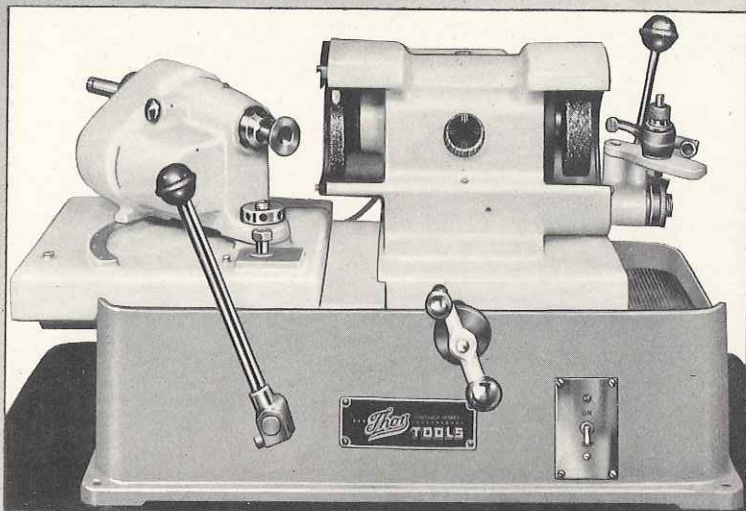




# VALVE REFACERS

Professional wet type valve refacing equipment for the service shop; real machine tools assuring factory-new precision valve refinishing. Moving heads mounted on hardened and precision ground slide rods. Quick acting valve head chuck. 5" grinding wheel delivers most efficient surface grinding speed for better valve finish.

## no. 300 WITH BUTT GRINDING FIXTURE



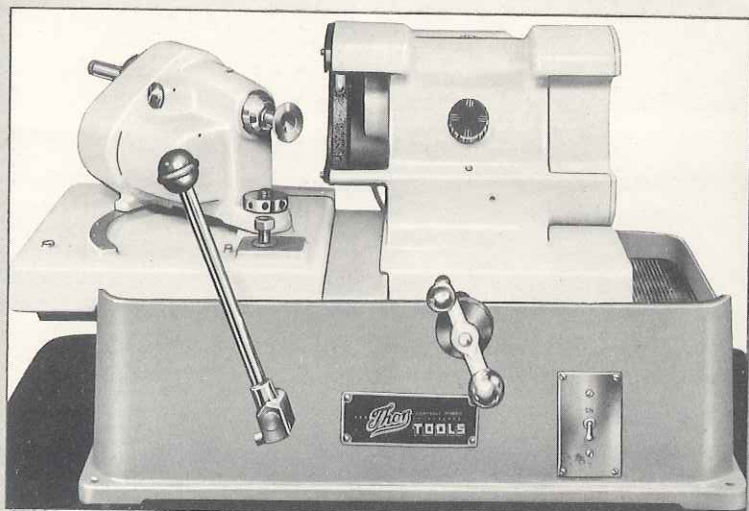
angle capacity ..... 0° to 90°  
base dimensions ..... 17" x 24½"  
grinding head motor ..... ½ H.P.  
weight ..... 130 lbs.  
shipping weight ..... 165 lbs.

Equipment includes collet no. 74499, ⅝" to ⅞" capacity; no. 73533 cup wheel; no. 85767 offset grinding wheel; micrometer feed butt grinding fixture; wheel dressing stand and dresser; one pint can concentrated Thor Coolant no. 20316; splash guard; seven feet 3-conductor cable and plug.

Optional: no. 74500 collet ½" to ⅞" capacity in place of no. 74499 collet.

Extra cost equipment: no. 80469 collet ¼" to ⅞" capacity; no. 87907 90° wheel dressing bracket assembly; no. 74474 lamp assembly; no. 74658 depth gauge.

## no. 299 WITHOUT BUTT GRINDING FIXTURE

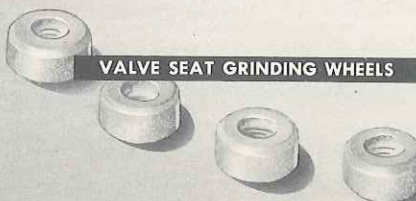


angle capacity ..... 0° to 90°  
base dimensions ..... 17" x 24½"  
grinding head motor ..... ½ H.P.  
weight ..... 120 lbs.  
shipping weight ..... 155 lbs.

Equipment includes collet no. 74499, ⅝" to ⅞" capacity; offset grinding wheel no. 85767; wheel dressing stand and dresser; one pint can concentrated Thor coolant no. 20316; splash guard; seven feet 3-conductor cable and plug.

Optional: no. 74500 collet ½" to ⅞" capacity in place of no. 74499 collet.

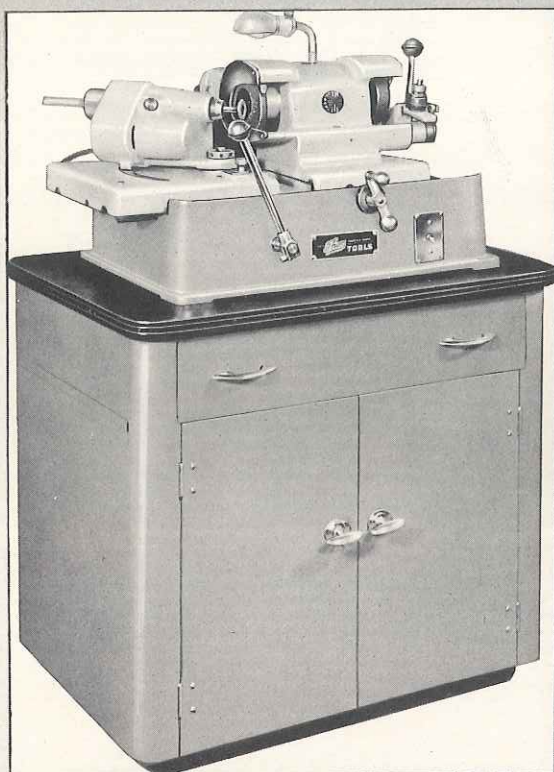
Extra cost equipment: no. 80469 collet ¼" to ⅞" capacity; no. 87972 attachment for grinding rocker arms and tappets on valve refacer wheel; no. 87907 90° wheel dressing bracket assembly; no. 74474 lamp assembly; no. 299-300 micrometer feed butt-grinding assembly for converting no. 299 valve refacer to no. 300 valve refacer; no. 74658 depth gauge.





Micrometer indicator dial setting, permits positive, close tolerance control of grinding . . . accurate gauging of stock removal from valve face and insures mirror finish. Totally enclosed coolant channels eliminate tubing . . . adjustable nozzle provides directional flow at wheel face. Valve head pivots on graduated table for grinding any angle 0° to 90°.

# VALVE SHOPS



**COMPLETE ACCESSORIES LISTING . . . PAGE 49**

**SERIES 300 VALVE SHOPS** INCLUDE No. 300 VALVE REFACER  
Sturdy steel fitted cabinet No. 74328 equipped with casters; No. SG Heavy Duty Valve Seat Grinder; No. 74241 Wheel Dresser; Two Wheel Holders; No. 74666 Valve Refacer Cover; No. 74474 lamp assembly.

*EQUIPMENT				
	With Two Roller Bearing Wheel Holders No. 25584		With Two Plain Bearing Wheel Holders No. 25582	
Valve Shop No.	322A	302A	311A	301A
No. of Wheels..	8	—	8	—
No. of Pilots...	4	—	4	—

## \*WHEELS and PILOTS FURNISHED WITH SERIES 299 AND 300 VALVE SHOPS

### 45° FINISHING WHEELS

1—1½"	No. 74159
1—1¾"	No. 74160
1—1½"	No. 74161
1—1¾"	No. 74162

### 30° FINISHING WHEELS

1—1½"	No. 74163
1—1¾"	No. 74164

### 45° ROUGHING WHEELS

1—1½"	No. 74165
1—1¾"	No. 74166

### EXPANDING PILOTS

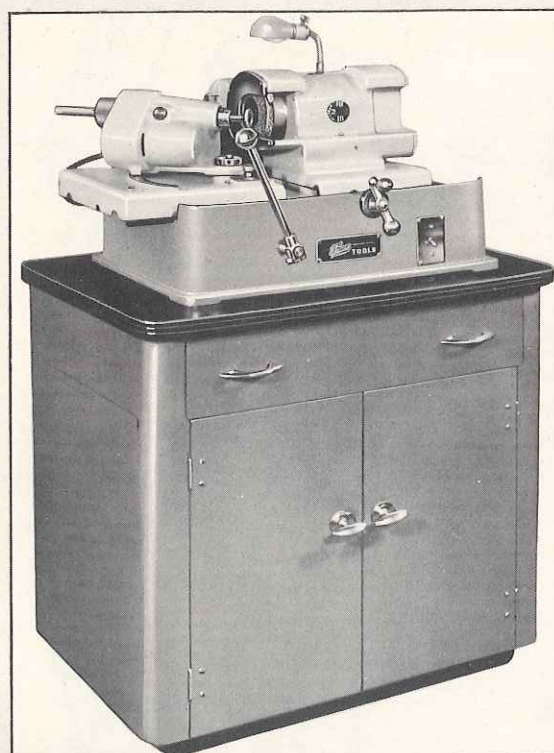
1—5/16"	No. 25593
1—11/32"	No. 25599
1—3/8"	No. 25601

### PLUG PILOTS

1—1½"	No. 25623
(for V8 85)	

### PILOT WRENCH

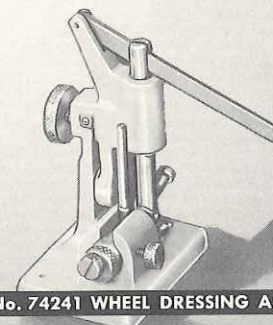
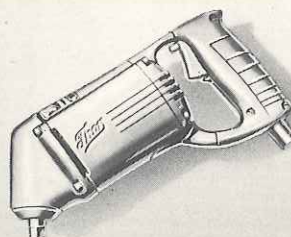
1—	No. 80984
----	-----------



*EQUIPMENT				
	With Two Roller Bearing Wheel Holders No. 25584		With Two Plain Bearing Wheel Holders No. 25582	
Valve Shop No.	2922A	2902A	2911A	2901A
No. of Wheels..	8	—	8	—
No. of Pilots...	4	—	4	—

**SERIES 299 VALVE SHOPS** INCLUDE No. 299 VALVE REFACER  
Sturdy steel fitted cabinet No. 74328 equipped with casters; No. SG Heavy Duty Valve Seat Grinder; No. 74241 Wheel Dresser; Two Wheel Holders; No. 74666 Valve Refacer Cover; No. 74474 Lamp Assembly.

### SG VALVE SEAT GRINDER



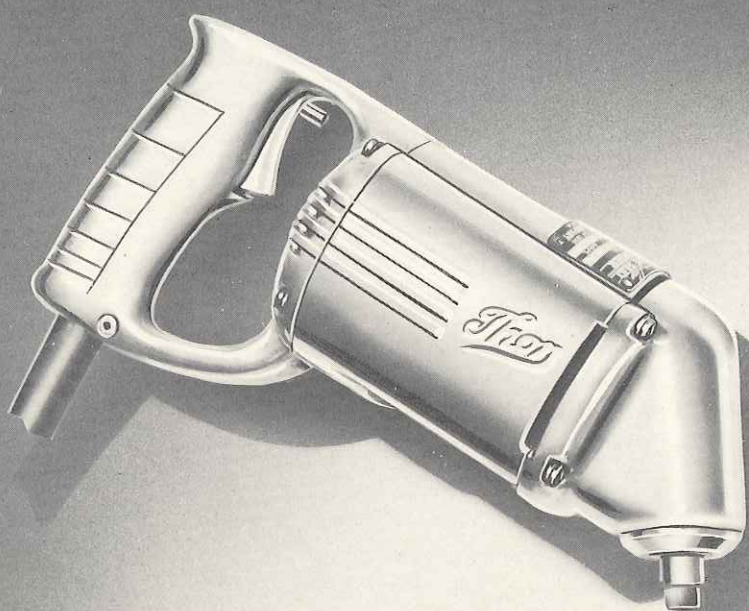
**No. 74241 WHEEL DRESSING ASSEMBLY**





# Heavy Duty VALVE SEAT GRINDERS

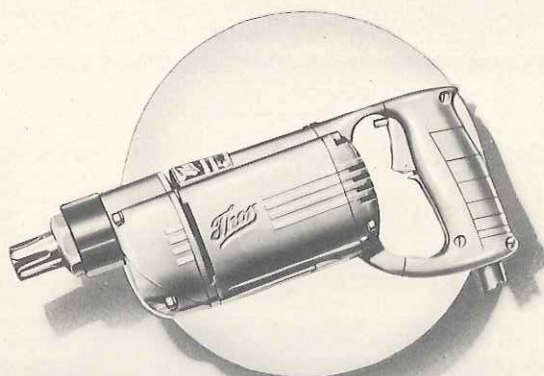
Rugged, light weight, all-ball-bearing drivers are available in a complete range of speeds and capacities covering every valve seat grinding requirement. Heavy duty drivers available in two speeds meeting safety requirements for their respective wheel size capacities. 55° spindle for convenient operation. Cushioned spindle action for perfect finishes.



## heavy duty VALVE SEAT GRINDERS

no.	SG	SGY
speed	12,000 R.P.M.	10,000 R.P.M.
wheel capacity	2" dia.	2½" dia.
weight	5¼ lbs.	5¼ lbs.
shipping weight	8 lbs.	8 lbs.
length overall	10⅞"	10⅞"
spindle offset	1"	1"

Equipped with grip handle; momentary trigger switch and locking pin; 7 feet 3-conductor cable and plug.



Extra Heavy Duty Valve Seat Grinders, SGH and SGHY for driving up to 4" wheels also available.

PLAIN BEARING WHEEL HOLDER



ROLLER BEARING WHEEL HOLDER



SHORT ROLLER BEARING  
WHEEL HOLDER



BALL ADAPTOR



ADAPTOR BUSHING





Thor Valve Seat Grinding Kits are built around all-ball-bearing Thor Valve Seat Grinders and individually matched components specifically engineered for maximum efficiency in seat grinding operations. Ball-bearing wheel holder kits are recommended for best results, longer service. All kits are expandable and may be added to at any time.

# Heavy Duty VALVE SEAT GRINDER KITS

## no. 22A Valve Seat Grinder KIT

- 1.....no. SG valve seat grinder
- 2.....no. 25584 roller bearing wheel holders
- 1.....no. 74241 wheel dresser
- 1.....no. 74243 fitted metal box
- 8.....wheels } .....(as listed below)
- 4.....pilots }
- shipping weight.....39 lbs.

## no. 2A Valve Seat Grinder KIT

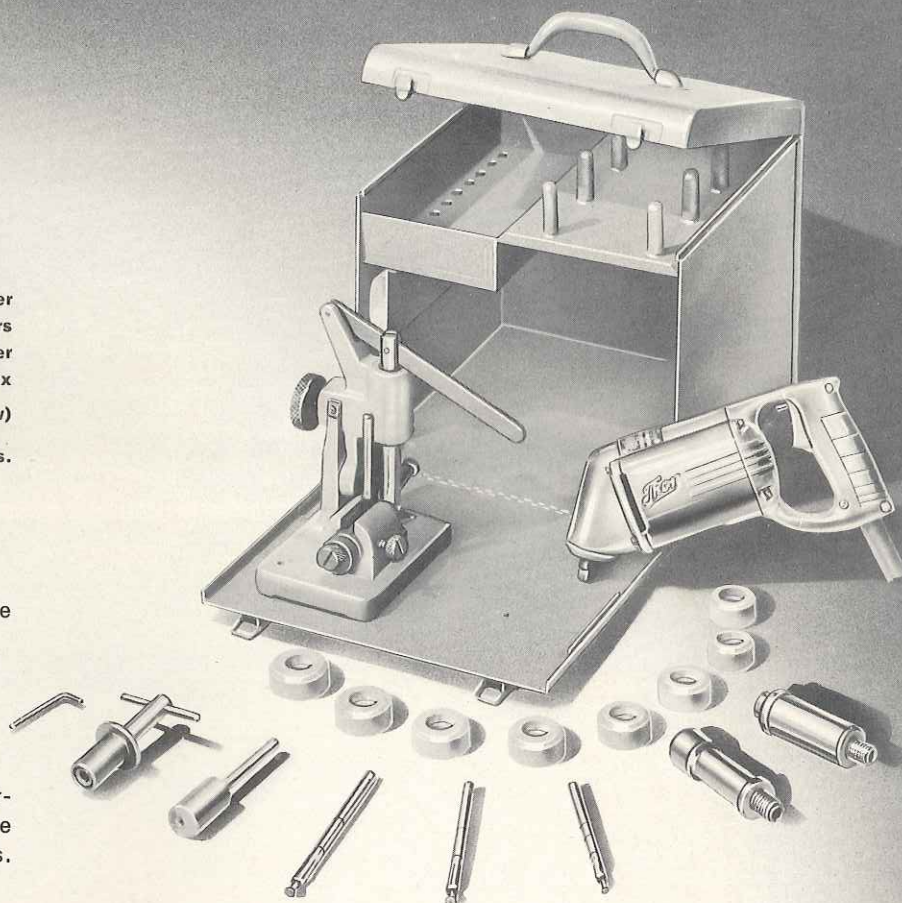
Same as no. 22A kit except wheels and pilots are not included. Shipping weight 35 lbs.

## no. 11A Valve Seat Grinder KIT

Same as no. 22A kit except 2 no. 25582 plain bearing wheel holders are furnished in place of the roller bearing wheel holders. Shipping wt. 39 lbs.

## no. 1A Valve Seat Grinder KIT

Same as no. 22A kit except 2 no. 25582 plain bearing wheel holders are furnished in place of the roller bearing wheel holders; wheels and pilots are not included. Shipping weight 35 lbs.



**COMPLETE ACCESSORIES  
LISTING . . . PAGE 49**

Wheels furnished with no. 22A and no. 11A Kits			
1½" 45° Finishing Wheel No. 74159		1½" 30° Finishing Wheel No. 74163	
1¾" 45° Finishing Wheel No. 74160		1¾" 30° Finishing Wheel No. 74164	
1¾" 45° Finishing Wheel No. 74161		1½" 45° Roughing Wheel No. 74165	
1¾" 45° Finishing Wheel No. 74162		1¾" 45° Roughing Wheel No. 74166	
Pilots furnished with no. 22A and no. 11A Kits			
⅜" Expanding Pilot No. 25593		1½" Plug Pilot (V8-85), No. 25623	
1½" Expanding Pilot No. 25599		Pilot Wrench No. 80984	
⅜" Expanding Pilot No. 25601			





# Portable Electric GENERATORS

Thor Portable Generating Plants provide *portable power* any time—any place—for operation of portable power tools, lights, pumps, communications, remote power needs, oil burners, emergency and many other duties for contractors, tradesmen, utilities, municipalities, police, fire departments, etc.



## no. EG-1.5 ELECTRIC GENERATOR

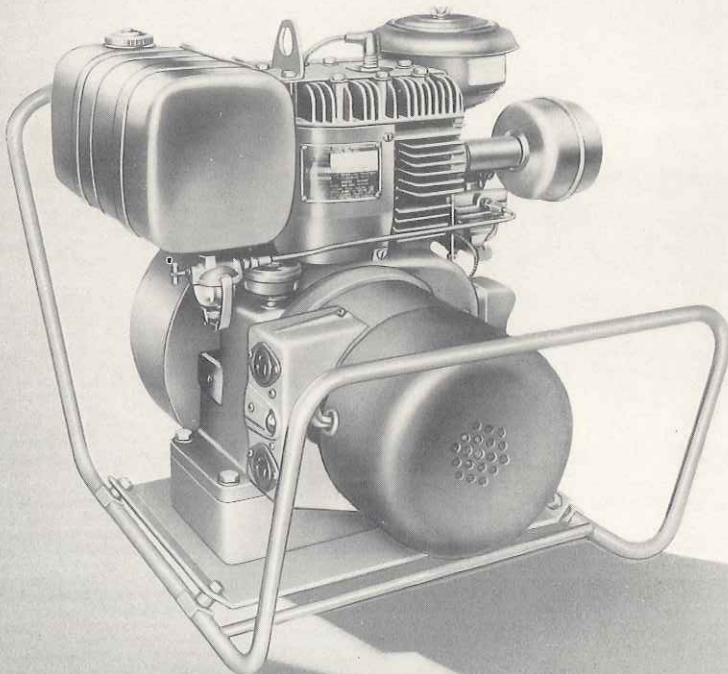
type ..... A.C.  
capacity ..... 1500 watts—1.5 K.W.  
voltage ..... 115 @ 60 cycles  
amperes ..... 13 @ 115 volts  
regulation ..... inherent  
speed ..... 3600  
size ..... 23" diameter x 23 1/4" high  
weight ..... 95 lbs.  
frame ..... tubular protective frame and carrying handle  
mounting ..... vertical—fully shock mounted  
coupling ..... direct connected—no belts  
starting ..... manual—heavy duty rewind rope starter  
control box ..... aluminum casting . . . contains two (2) 15  
ampere, straight bayonet, grounding type,  
three-prong receptacles (which will also  
accommodate standard two-prong plugs)  
and indicator light . . . (alternate three-  
prong, 20 ampere, 125 volt grounded twist-  
lok receptacle available on to-order basis).

**NOTE:** The above are A.C. set specifications . . .  
D.C. set specifications are identical with  
the exception that voltage is 115 volts  
D.C. and the catalog no. is EG-1.5D.



## no. EG-2.5D ELECTRIC GENERATOR

type ..... D.C.  
capacity ..... 2500 watts—2.5 K.W.  
voltage ..... 120 D.C.  
amps ..... 22 A 115 volts  
regulation ..... inherent (total 8%)  
speed ..... 3600 (nominal)  
size ..... length—31 1/4", width—20", height—19 1/2"  
weight ..... (dry) 165 lbs.  
frame ..... tubular protective frame and carrying handle  
mounting ..... horizontal  
coupling ..... direct connected (no belts)  
starting ..... manual rope  
control box ..... aluminum casting . . . contains two (2) 15  
ampere, straight bayonet, grounding type,  
three-prong receptacles (which will also  
accommodate standard two-prong plugs)  
and indicator light . . . (alternate three-  
prong, 20 ampere, 125 volt grounded twist-  
lok receptacles available on to-order  
basis).





# ACCESSORIES CATALOG



## INDEX

BENCH GRINDER  
ACCESSORIES.... 10a-11a

DRILL  
STANDS.....2a

DRILL  
ACCESSORIES.....3a-4a

GRINDER-SANDER  
ACCESSORIES.....11a-12a

HAMMER  
ACCESSORIES.....10a

IMPACT WRENCH  
ACCESSORIES.....5a-8a

POLISHER  
ACCESSORIES.....13a

SANDER  
ACCESSORIES.....12a-13a

SAW  
ACCESSORIES.....9a

SCALER  
ACCESSORIES.....10a

SCREWDRIVING  
ACCESSORIES.....5a-8a

SOCKETS.....7a-8a

VALVE GRINDER  
ACCESSORIES.....14a-15a

A black and white photograph showing a variety of Thor power tool accessories. In the foreground, there are several large, dark, circular grinding wheels. Behind them, there are various drill bits, sockets, and other small tools. A large, dark, triangular graphic is overlaid on the center of the image, containing the text 'USE THOR ACCESSORIES WITH THOR TOOLS'.

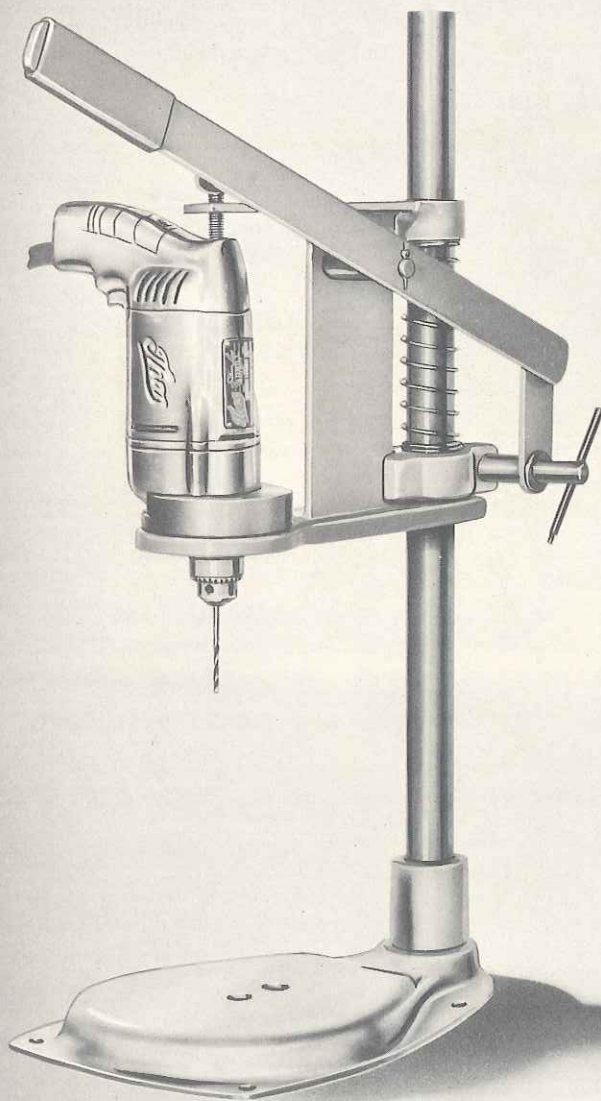
USE THOR ACCESSORIES  
WITH  
**THOR**  
TOOLS



# Drill STANDS

Thor drill stands convert portable drills to stationary drill press use. Sturdy all steel construction. Carefully engineered for (1) easy insertion and removal of tool (2) maximum accuracy (3) powerful leverage (4) endless service life. Holding brackets are adjustable to various heights to accommodate different jobs. Bolt holes in base for bench mounting.

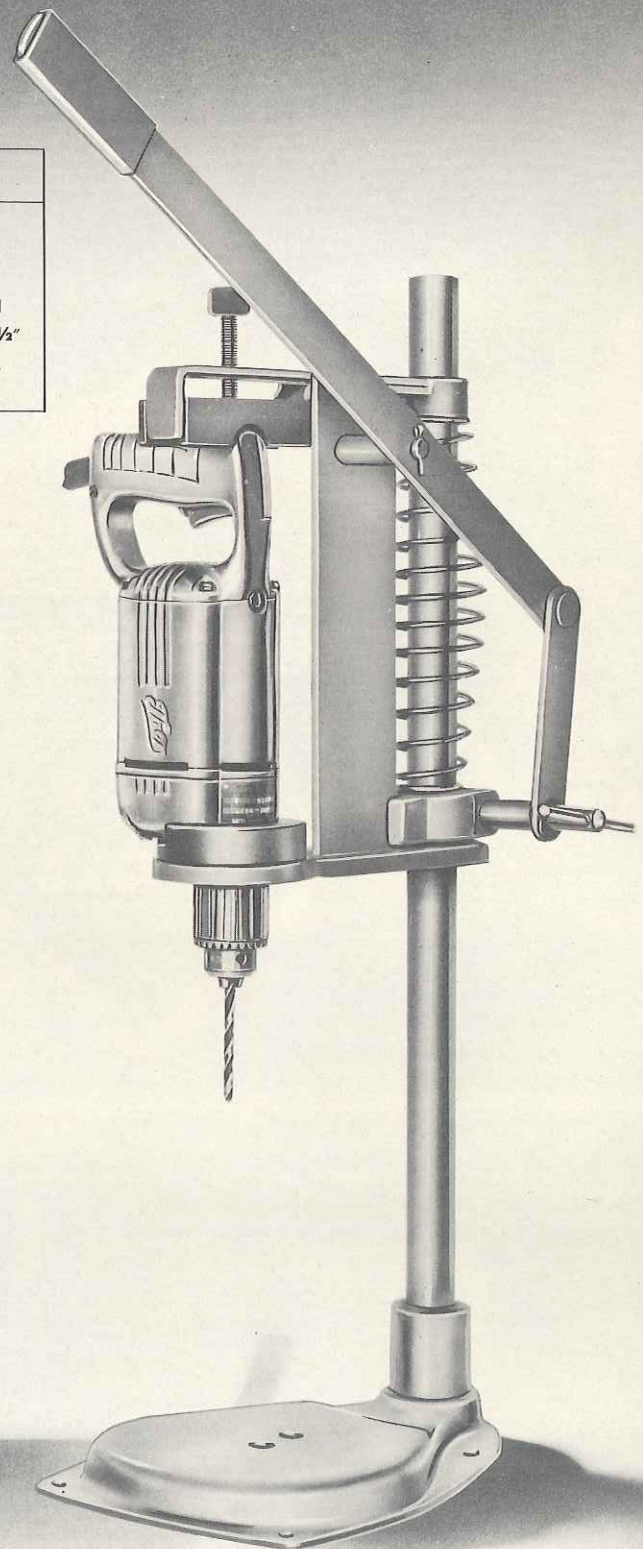
Drill Stand Catalog No.	1ED 1U14F	2EJ
vertical adjustment of column	12"	12"
maximum travel of drill head	3 1/4"	6 1/4"
drilling radius from column center	7 1/2"	7 1/2"
leverage ratio	2 to 1	2.2 to 1
bench space	8 1/2" x 12 1/2"	8 1/2" x 12 1/2"
weight	13 lbs.	13 lbs.
shipping weight	19 lbs.	19 lbs.



**no. 1ED DRILL STAND**  
**no. 1U14F DRILL STAND**

**No. 1ED** Drill Stand is for use with all Thor ED series drills, screwdrivers and nutsetters.

**No. 1U14F** Drill Stand is for use with all Thor U14F series drills, screwdrivers and nutsetters with pistol grip or side handle.



**no. 2EJ DRILL STAND**

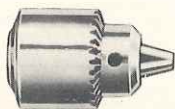
**No. 2EJ** Drill Stand is for use with all EJ series drills, screwdrivers and nutsetters with end grip or spade handle.



Thor offers a wide selection of drill accessories, engineered and tested for maximum service with portable electric tools. Chucks and morse taper equipment are precision manufactured to highest standards. "Gold edge" hole saws feature special heat treatment, combining extra hard teeth to retain sharpness, with extra strong body for long lasting service.

# Drill ACCESSORIES

## GEARED CHUCKS and KEYS



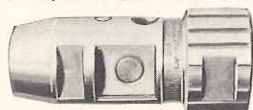
Chucks listed are standard 3 jaw geared chucks, operated with key. Keyless type chucks also available.

Chuck Size	Thread Size	Chuck No.	Key No.
3/16"	3/8" x 24	68252	25017
3/16"*	3/8" x 24	66929	25017
1/4"	3/8" x 24	25011	25017
1/4"*	3/8" x 24	20033	20034
5/16"	3/8" x 24	25076	25081
5/16"	1/2" x 20	76655	25081
3/8"	3/8" x 24	70646	73902
3/8"	1/2" x 20	25082	20039
3/8"	5/8" x 16	20073	20039
1/2"	1/2" x 20	75724	20039
1/2"	5/8" x 16	25245	20039
1/2"*	3/4" x 16	25252	20100
5/8"	5/8" x 16	25207	20100
3/4"	5/8" x 16	70488	70489
3/4"	3/4" x 16	76340	70489

\*Heavy Duty.

## TAPPING CHUCKS

complete with wrenches



### FOR TAPPER No. UKS

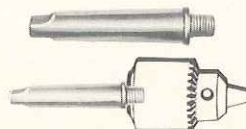
No. 75282 capacity 0 to 1/4"

No. 75838 capacity #10 to 5/16"

### FOR TAPPER No. UBR

No. 75839 capacity #10 to 1/2"

## MORSE TAPER SHANK ADAPTORS



External M.T.	Male Thread	No.
No. 2	3/8" x 16	70529
No. 3	3/8" x 16	70803

## MORSE TAPER SOCKETS



Internal M.T.	Female Thread	No.
No. 1	3/8" x 24	70805
No. 1	1/2" x 20	67031
No. 1	5/8" x 16	59335
No. 2	1/2" x 20	69996
No. 2	5/8" x 16	59441
No. 2	3/4" x 16	76765
No. 3	5/8" x 16	75822
No. 3	3/4" x 16	76766

## MORSE TAPER SLEEVES



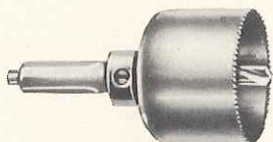
External M.T.	Internal M.T.	No.
No. 2	No. 1	21798
No. 3	No. 2	22471

## SPECIAL ARBOR



No. 74757—Arbor for use with wire wheel brushes and grinding wheels not over 4" in diameter with 1/2" arbor hole. Arbor has 1/4" shank.

## High Speed HOLE SAWS



Great time savers for cutting holes in floors, panels, wall switch boxes, radiator boilers, sinks, tubs, soil pipes; for pipe and conduit entrance holes, for drilling pipe taps and similar applications.

Diameter	HOLE SAWS	ARBORS		USE FOR PIPE	
	Catalog Number	1/2" Shank Arbor No.	1/4" Shank Arbor No.	Tap Size	Entrance Size
3/4"	20935	20957	21085		3/8"
7/8"	20936	20957	21085	3/4"	1/2"
1"	20937	20957	21085		
1 1/8"	20938	20957	21085	1"	3/4"
1 1/4"	20939	20957	21085		
1 3/8"	20940	20957	21085		1"
1 1/2"	20941	20957	21085	1 1/4"	
1 5/8"	20942	20958		1 1/2"	1 1/4"
1 3/4"	20943	20958			1 1/2"
1 7/8"	20944	20958			
2"	20945	20958			
2 1/8"	20946	20958			
2 1/4"	20947	20958		2"	
2 3/8"	20948	20958			
2 1/2"	20949	20958			2"
2 5/8"	20950	20958			
2 3/4"	20951	20958		2 1/2"	
2 7/8"	20952	20958			
3"	20953	20958			2 1/2"
3 1/4"	20954	20958		3"	
3 1/2"	20955	20958			
	20956	20958			

## HOLE SAW ARBORS



### 1/4" Shank Hole Saw Arbor

Cat. No. 21085. Can be used to drive any size hole saw from 3/4" to 1 1/2" diameter.

### 1/2" Shank Hole Saw Arbor

Cat. No. 20957. Drives Hole Saws from 3/4" to 1 1/2" diameter.

Cat. No. 20958. Drives Hole Saws from 1 5/8" to 3 1/2" diameter.



### 1/2" Heavy Duty Pin Drive Hole Saw Arbor

Cat. No. 25294. Drives Hole Saws from 1 5/8" to 3 1/2" diameter; particularly recommended for larger hole saws in heavy duty service.

### 1/4" PILOT DRILL no. 21086

High-speed Drill Bit, fits any of the arbors listed above.



# Drill ACCESSORIES

Extend the usefulness of your electric drill with these sturdy professional attachments. Sanding and polishing attachments equipped with  $\frac{1}{4}$ " mandrel for ready chucking. Saw attachments can be used in chuck or on drill spindle. Angle and hole spotter attachments are special equipment requiring special fitting to tool. Write for details.

## COMPLETE SANDING ATTACHMENT

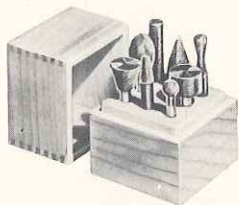


Fits any  $\frac{1}{4}$ " drill. Complete with  $\frac{1}{4}$ " arbor, rubber backing pad and one each, coarse, medium and fine sanding discs.

No. 22383.....4" Diameter  
No. 22384.....5" Diameter

### $\frac{1}{2}$ " Arbor Hole Sanding Discs

Closed Grain for Metal or Wood Sanding		
Grade	4" Diameter	5" Diameter
	Number	Number
24	20991	20984
36	20992	20985
60	20993	20986
120	20994	20987
180	20995	20988
Open Grain for Wood Sanding		
24	20996	20989
36	20997	20990



## ROTARY FILE SET

No. 71699. Set consists of eight medium cut rotary files in wood case. Popular shapes: ball, drum, cone, etc. Made of selected steel heat treated for rapid cutting and long service.  $\frac{1}{4}$ " shanks.

## COMPLETE POLISHING ATTACHMENT



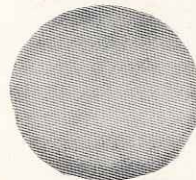
No. 22385  
4" Diameter

No. 22386  
5" Diameter

Fits any  $\frac{1}{4}$ " drill. Complete with  $\frac{1}{4}$ " arbor, rubber backing pad, felt cushion pad and draw string polishing bonnet.



Adaptor for  $\frac{1}{2}$ " Drills . . No. 21919  
Includes  $\frac{1}{2}$ " diameter arbor with  $\frac{5}{8}$ " x 11 male thread and no. 59572 nut.



### RUBBER BACKING PADS

No. 22381.....4" Diameter  
No. 22382.....5" Diameter  
No. 22380  $\frac{1}{4}$ " Backing Pad Arbor



### LAMBSWOOL BONNETS

No. 21117.....4" Diameter  
No. 21776.....5" Diameter

### FELT CUSHION PADS

No. 21777.....4" Diameter  
No. 21778.....5" Diameter

## $\frac{1}{4}$ " SHANK CARBON CLEANING BRUSHES



No. 72640  
1" dia.  
.028 straight wire

Extra sturdy, arbor and wire brush all in one. Chuck into your electric drill for removing carbon deposits on cylinders, valve seats and combustion chambers. Also excellent for burr, paint and rust removal.



No. 25725  
.006 wire  
No. 25726  
.0118 wire  
 $\frac{1}{4}$ " cup  
crimped music wire



No. 72642  
1" dia.  
.020 crimped  
spec. analysis wire



No. 72643  
 $\frac{3}{4}$ " dia.  
.020 crimped  
spec. analysis wire



No. 72644  
 $1\frac{1}{2}$ " dia.  
.020 crimped  
spec. analysis wire



No. 72645  
3" dia.  
.020 flared  
spec. analysis wire



No. 72646  
 $1\frac{1}{2}$ " dia.  
.020 spiral  
twist spec. anal. wire

## SABER SAW ATTACHMENT



Catalog No. 86376. Weight, 3 lbs. 3 oz.; overall length  $7\frac{1}{4}$ "; blade offset, 1"; stroke  $1\frac{1}{16}$ "; use on drills having speeds of 1000 to 2500 R.P.M. Comes complete with one general purpose blade,  $\frac{1}{4}$ " chuck adaptor, one threaded  $\frac{1}{2}$ " x 20 male— $\frac{3}{8}$ " x 24 female spindle adaptor.

METAL CUTTING BLADES			GENERAL PURPOSE BLADES		
Cat. No.	Size	Teeth Per Inch	Cat. No.	Size	Teeth Per Inch
25383	$\frac{1}{2}$ " x $2\frac{1}{2}$ "	14	25391	$\frac{3}{4}$ " x 3"	10
25384	$\frac{1}{2}$ " x $2\frac{1}{2}$ "	18	25392	$\frac{3}{4}$ " x 3"	18
25385	$\frac{1}{2}$ " x $2\frac{1}{2}$ "	24	25393	$\frac{3}{4}$ " x 5"	6
25386	$\frac{1}{2}$ " x 4"	14	25394	$\frac{3}{4}$ " x 5"	10
25387	$\frac{1}{2}$ " x 4"	18	25395	$\frac{3}{4}$ " x 5"	18
25388	$\frac{1}{2}$ " x 4"	24	25396	$\frac{3}{4}$ " x 12"	18
25389	$\frac{5}{16}$ " x 3"	18	Special Wood Cutting		
25390	$\frac{5}{16}$ " x 3"	24	25397	$\frac{5}{16}$ " x 3"	7

## HOLE SPOTTER



Catalog No. 71259. For drills with  $1\frac{1}{8}$ " plain spindle hub. Specify drill bushing size required.

## ALL ANGLE ATTACHMENT



Catalog No. 75538. For drills with  $1\frac{1}{2}$ " x 20 or  $1\frac{1}{4}$ " x 20 LH US S threaded hub. Permits drilling any angle through  $360^\circ$ .



In addition to nut setting sockets shown on pages 7A and 8A, your 1/2" square drive impact wrench can be adapted to wire brushing, tapping, screwdriving, and drilling with accessories shown below. Screwdriving attachment uses 1/16" hexagon shank bits. Drill chuck holds drill bits or taps up to 1/2" diameter shank. Extra sturdy, compact, right angle extension.

## Impact Wrench ACCESSORIES

SEE THE FOLLOWING PAGES FOR ADDITIONAL SCREWDRIVING AND NUTSETTING ACCESSORIES • ALL ADAPTABLE FOR USE WITH YOUR THOR IMPACT WRENCH

### 1/2" SQUARE DRIVE HEX. SOCKETS

Standard length, 6 pt., single broached

Number	For Size Nut Across Flats Inches	Outside Diam. Socket End Inches	Length Inches
20660	3/8	.605	1 1/2
20661	7/16	.690	1 1/2
20662	1/2	.773	1 1/2
20663	9/16	.854	1 1/2
20664	5/8	.897	1 1/2
20665	3/4	.941	1 1/2
20666	7/8	.982	1 1/2
20667	1 1/8	1.022	1 1/2
20668	1 1/4	1.105	1 1/2
20669	1 3/8	1.147	1 1/2
20670	1 1/2	1.190	1 1/2
20671	1 3/4	1.273	1 1/2
20672	1 7/8	1.313	1 1/2
20673	2	1.354	1 3/4
20675	1	1.440	1 3/4
20676	1 1/16	1.522	2
20678	1 1/8	1.605	2
20679	1 1/4	1.691	2

### 5/8" SQUARE DRIVE HEX. SOCKETS

23759	9/16	.925	1 1/2
23760	5/8	.984	1 1/2
23761	1 1/16	1.100	1 3/4
23762	3/4	1.187	1 3/4
23763	7/8	1.210	1 3/4
23764	1 1/8	1.250	1 3/4
23765	1 1/4	1.312	1 3/4
23766	1 1/2	1.375	1 3/4
23767	1 3/4	1.400	2
23768	1 7/8	1.437	2
23769	2	1.500	2
23770	1 1/16	1.562	2
23771	1 1/8	1.687	2
23772	1 1/4	1.750	2
23773	1 1/2	1.812	2 1/8
23774	1 3/4	1.937	2 1/8
23775	1 7/8	2.000	2 1/4
23776	2	2.062	2 1/4
23777	1 1/2	2.125	2 3/8



### 3-JAW GEARED CHUCK

No. 25401 capacity to 1/2" diameter accessories. Female square socket fits on 1/2" square drive of impact wrench.

### COLLET CHUCKS

No. 76387 capacity 3/16" to 3/8" round shanks and No. 10 to 1/2" taps and reamers. Fits 1/2" square drive impact wrenches.

No. 22473 capacity 5/16" to 1/2" round shanks and 5/8" to 3/4" taps and reamers. Fits 5/8" square drive impact wrenches.

**EXTRA COLLETS** for No. 76387 or No. 22473 chucks. No. 22476 collet, capacity 3/16" to 3/8" round shanks and No. 10 to 1/2" taps and reamers. No. 22610 collet, capacity 5/8" to 1/2" round shanks and 5/8" to 3/4" taps and reamers.

### MORSE TAPERS

No. 21797—No. 2 Morse Taper Socket fits on 1/2" square drive impact wrenches.

No. 21798—Reducer Sleeve, No. 2 external to No. 1 internal.

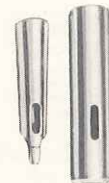
No. 22470—No. 3 Morse Taper Socket fits on 5/8" square drive impact wrenches.

No. 22471—Reducer Sleeve, No. 3 external to No. 2 internal.

### SCREWDRIVING CHUCKS

No. 73466 quick change chuck for 7/16" hex. shank screwdriver bits, fits 1/2" square drive impact wrenches.

No. 73490 quick change chuck for 7/16" hex. shank screwdriver bits, fits 5/8" square drive impact wrenches.



### 7/16" HEX. SHANK SCREWDRIVER BITS

PHILLIPS, REED PRINCE TYPE		SLOTTED HEAD BIT AND FINDER ASSEMBLIES	
CAT. No.	SIZE	CAT. No.	SIZE
57551	No. 2 Phillips	72953	No. 10F, 12R
57552	No. 3 Phillips	72954	No. 12F, 14R
57553	No. 4 Phillips	72964	No. 14F, 16R
75281	Reed Prince	72965	No. 16F, 18R
		72966	No. 18F, 20R
		72967	No. 20F, 22R

### SOCKET ADAPTORS

No. 22184	1/2" female sq., 3/8" male sq.
No. 22185	1/2" female sq., 5/8" male sq.
No. 22186	1/2" female sq., 3/4" male sq.
No. 22187	5/8" female sq., 1/2" male sq.
No. 22188	5/8" female sq., 3/4" male sq.



### SOCKET SHANK EXTENSIONS

same square drive both ends

No. 20895	1/2" sq. drive	2" long
No. 20896	1/2" sq. drive	5" long
No. 20897	1/2" sq. drive	10" long
No. 20332	3/8" sq. drive	4" long
No. 20333	5/8" sq. drive	6" long
No. 20899	5/8" sq. drive	8" long



### UNIVERSAL JOINTS

same square drive both ends

No. 20888	1/2" sq. drive	2 3/4" long
No. 21884	1/2" sq. drive	2 3/4" long
No. 22241	5/8" sq. drive	2 3/4" long



### WIRE BRUSH ARBOR

For wire brushes, grinding wheels, sanding pads, etc., accommodates accessories with 1/2" hole. Female square socket fits on 1/2" square drive of impact wrench.

No. 25496 complete with 4" x 1/2" wire brush.  
No. 25569 replacement wire brush only.



### RIGHT ANGLE ATTACHMENT

no. 86391

1/2" square drive, male and female. Height of head less socket 2 3/8"; offset 2 3/8"; overall length 5 1/2"; weight 2 1/2 lbs.



### STUD REMOVER

No. 21900 fits 1/2" square drive impact wrenches for removing 3/8" to 1/2" studs.

No. 22481 fits 5/8" square drive impact wrenches for removing 3/8" to 5/8" studs.



### CARBIDE TIPPED MASONRY DRILLS



Catalog Number	Nominal Diameter	Actual Diameter	Length Overall	Shank Diameter
22834	1/4"	.260	4"	7/32"
22835	5/16"	.328	4"	1/4"
22836	3/8"	.390	4"	1/4"
22837	1/2"	.525	4"	1/4"





# Screwdriver-Nutsetter Impact Wrench ACCESSORIES

Complete line of 1/4" and 1/8" hexagon shank screwdriver equipment—engineered, machined and heat-treated for maximum service. 1/8" hexagon shank equipment is suited for impact wrench applications, using adaptors shown on page 5A. Insert bits fit 1/4" or 1/8" magnetized holders as shown.

All References to EXTENSION are not overall length, but length of projection beyond attachment  
F = Flat Head Screw (also covers Oval or Binding Head) R = Round Head Screw



## 1/4" HEXAGON SHANK

### STANDARD BITS AND FINDERS

Finders are Non-Rotating

Screw Size	Bit Only Cat. No.	Finder Only Cat. No.	Screw Size	Bit Only Cat. No.	Finder Only Cat. No.
2F, 2R	75280	22463	7F, 8R	22421	22328
3F, 3R	75274	84034	8F, 9F, 9R, 10R	73197	22320
4F, 4R	73194	22311	10F, 12R	73198	22321
5F, 5R, 6R	73195	22325	12F, 14R	73199	22323
6F, 7R	73196	22318	14F, 16R	75356	22462

### 1 1/8" EXTENSION BITS AND FINDERS

Finders are non-rotating.

Screw Size	Bit Only Cat. No.	Finder Only Cat. No.	Screw Size	Bit Only Cat. No.	Finder Only Cat. No.
2F, 2R	77414	75122	7F to 10R	77418	75127
3F, 3R	77415	75123	10F, 12R	77419	75128
4F, 4R	77416	75124	12F, 14R	77420	75129
5F to 7R	77417	75125			

### 2 1/16" EXTENSION BITS AND FINDERS

For use in Extension Shanks with Chucks shown below.  
Finder rotates.

Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.	Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.
4F, 4R	75240	75246	8F to 10R	75243	75249
5F, 5R, 6R	75241	75247	10F, 12R	75244	75250
6F to 8R	75242	75248	12F, 14R	75245	75251

### 4" EXTENSION BITS AND FINDERS

Finders Rotate

Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.	Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.
4F, 4R	75086	75087	8F to 10R	75104	75105
5F, 5R, 6R	75096	75097	10F, 12R	75108	75109
6F to 8R	75100	75101	12F, 14R	75112	75113

### 6" EXTENSION BITS AND FINDERS

Finders Rotate

Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.	Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.
4F, 4R	75088	75095	8F to 10R	75106	75107
5F, 5R, 6R	75098	75099	10F, 12R	75110	75111
6F to 8R	75102	75103	12F, 14R	75114	75115

### PHILLIPS BITS

Standard Hardness			Extra Hard For Self-Tapping Screws		
Point Size	Std. Length Catalog No.	1 1/2" Ext. Catalog No.	Point Size	Std. Length Catalog No.	1 1/2" Ext. Catalog No.
1	22934	22938	1	22936	22940
2	22935	22939	2	22937	22941
3	24638	75278	3	22670	22672

### REED & PRINCE BITS

One Size Point Fits All Sizes of Reed & Prince Screws  
Cat. No. 22090—Standard Length. Standard Diameter 1/4".

### EXTENSION SHANKS WITH CHUCK



Chuck Accepts 1/4" Hex. Shank Bits or Socket Wrench Shanks.

2 1/16" Length Cat. No. 22095	4" Length Cat. No. 75252	6" Length Cat. No. 75253
-------------------------------	--------------------------	--------------------------

## 1/8" HEXAGON SHANK

### STANDARD BITS AND FINDERS

Finders Rotate

Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.	Screw Size	Bit Only Cat. No.	Bit and Finder Assembly Cat. No.
6F, 6R, 8R	72944	72951	16F, 18R	72961	72965
8F, 9F, 9R	72945	72952	18F, 20R	72962	72966
10F, 10R, 12R	72946	72953	20F	72963	72967
12F, 14R	72947	72954	24F	72907	72956
14F, 16R	72960	72964			

### EXTENSION SHANKS WITH CHUCK

Chuck accepts 1/8" Hex. Shank Bits or Socket Wrench Shanks.

4" Length, Cat. No. 75254

6" Length, Cat. No. 75255

### PHILLIPS BITS

Standard Hardness		Extra Hard (For Self-Tapping Screws)	
Point Size	Catalog No.	Point Size	Catalog No.
2	57551	2	22942
3	57552	3	22943
4	57553	4	22944

### REED & PRINCE BITS

One Size Point Fits All Sizes of Reed & Prince Screws  
Cat. No. 75281—Standard Length. Standard Diameter 3/8".

### MAGNETIZED HOLDERS and INSERT BITS



#### HOLDERS

Cat. No. 22256—1/4" Hex. Shank (Requires Guide Bushing No. 25293). Cat. No. 22257—1/8" Hex. Shank.

#### INSERT BITS

All Bits Fit Either Holder Above

SLOTTED HEAD		SOCKET HEAD	
Cat. No.	For Screw Size	Cat. No.	Hex. Size
22262	4F- 5R	22274	3/32"
22263	6F- 8R	22275	1/8"
22264	8F-10R	22276	5/32"
22265	10F-12R	22277	3/16"
22266	12F-14R	22278	7/32"
22267	14F-16R	22279	1/4"
		22280	5/16"

### PHILLIPS HEAD INSERT BITS

For Point Size	Standard Hardness Catalog No.	Extra Hard Catalog No.
1	22258	22674
2	22259	22675
3	22260	22676

### FREARSON OR REED & PRINCE INSERT BITS

Cat. No. 22261 for Screw Size No. 5 or smaller.  
Cat. No. 22282 for Screw Size No. 6 or larger.

### CLUTCH HEAD INSERT BITS

Cat. No.	For Clutch Screw	Cat. No.	For Clutch Screw
22268	3/32"	22271	3/16"
22269	1/8"	22272	1/4"
22270	5/32"		

**GUIDE BUSHINGS**—Used when Finder is removed—  
—for 1/4" hexagon Phillips and Reed and Prince Bits, extensions and socket shanks without shoulder.  
Cat. No. 25293 for No. 22256 Magnetized Holder.

Cat. No. 75076. Used with 3/16" diam. No. 1 Point Phillips Bit.

Cat. No. 75077. Used with 1/4" diam. Reed and Prince Bits and No. 2 Point Phillips Bits.

Cat. No. 75078. Used with 5/16" diam. Reed and Prince and No. 3 Point Phillips Bits.

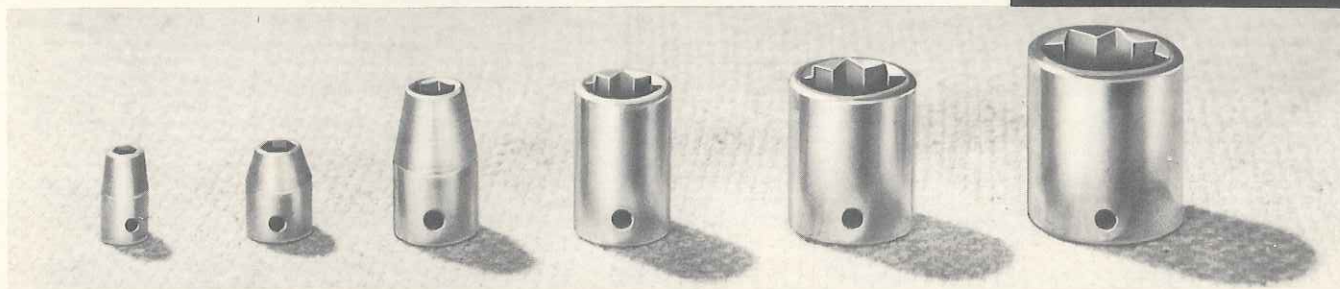
Cat. No. 75358. Used with 1/4" socket shank without shoulder, and extensions.





Sturdily built for either power driver, or impact wrench use, Thor offers a comprehensive line of popular size and type nut setting sockets, available in  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and  $\frac{3}{4}$ " square drive. Thor sockets are forged or protruded from selected alloy steel, heat-treated to resist wear and fracture under hardest usage.

## Screwdriver-Nutsetter Impact Wrench ACCESSORIES



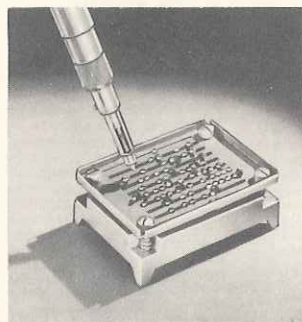
### HEXAGON SOCKETS • STANDARD LENGTH • SINGLE BROACHED

Catalog Number	For Size Nut Across Flats	Outside Diameter Socket End	Length
<b><math>\frac{1}{4}</math>" SQUARE DRIVE</b> For Regular Service or Parker Kalon			
20543	$\frac{3}{16}$ "	.355"	$\frac{7}{8}$ "
20544	$\frac{7}{32}$ "	.396"	$\frac{7}{8}$ "
20545	$\frac{1}{4}$ "	.437"	$\frac{7}{8}$ "
20546	$\frac{1}{4}$ " *	.437"	$\frac{7}{8}$ "
20547	$\frac{9}{32}$ "	.470"	$\frac{7}{8}$ "
20548	$\frac{5}{16}$ "	.490"	$\frac{7}{8}$ "
20549	$\frac{11}{32}$ "	.531"	$\frac{7}{8}$ "
20550	$\frac{3}{8}$ "	.562"	$\frac{7}{8}$ "
20551	$\frac{7}{16}$ "	.650"	$\frac{7}{8}$ "
20552	$\frac{1}{2}$ "	.700"	$\frac{7}{8}$ "

\*Denotes inside hex. taper.

### $\frac{1}{4}$ " SQUARE DRIVE THIN WALL

20553	$\frac{3}{16}$ "	.290"	$\frac{15}{16}$ "
20554	$\frac{7}{32}$ "	.328"	$\frac{15}{16}$ "
20555	$\frac{1}{4}$ "	.367"	$\frac{15}{16}$ "
20556	$\frac{9}{32}$ "	.405"	$\frac{15}{16}$ "
20557	$\frac{5}{16}$ "	.445"	$\frac{15}{16}$ "
20558	$\frac{11}{32}$ "	.485"	$\frac{15}{16}$ "
20559	$\frac{3}{8}$ "	.520"	$\frac{15}{16}$ "
20560	$\frac{7}{16}$ "	.594"	$\frac{15}{16}$ "



### PIX-UP FINDERS and ADJUSTO-TRAY

Screws are tossed on slotted Adjusto-Tray. They drop into slots with heads up, ready for pickup.

Screwdriver is lowered to tray, which depresses to thrust screw head into "Pix-Up" Finder, which grips it firmly. Screwdriver is brought to work and screw is driven without being touched by hand.

### PIX-UP FINDERS and BITS

Screw Size	* $\frac{1}{8}$ " Extension Bit Only for Pix-Up Finder	Pix-Up Finder Assembly **
3R	77415	69414
3F	77415	69418
4R	77416	69422
4F	77416	69426
6R	77417	69430
6F	77417	70040
8R	77418	69435
8F	77418	70044
10R	77419	69440
10F	77419	73042
12R	77420	69445
14R	80885	69450

\*Extension is from end of attachment, not overall length. Extension bit must be ordered with finder.

\*\*Any Pix-Up Finder for screws not listed, information on application.



PIX-UP FINDER



EXTENSION BIT

### ADJUSTO-TRAYS

Cat. No.	For Screw No.
71102	2
69408	3 and 4
69409	5 and 6
69410	8 and 10
71103	12 and 14

Catalog Number	For Size Nut Across Flats	Outside Diameter Socket End	Length
<b><math>\frac{3}{8}</math>" SQUARE DRIVE</b>			
20593	$\frac{5}{16}$ "	.500"	$\frac{7}{8}$ "
20594	$\frac{11}{32}$ "	.512"	$\frac{7}{8}$ "
20595	$\frac{3}{8}$ "	.552"	$\frac{7}{8}$ "
20596	$\frac{7}{16}$ "	.633"	$\frac{7}{8}$ "
20597	$\frac{1}{2}$ "	.740"	$\frac{7}{8}$ "
20598	$\frac{17}{32}$ "	.745"	$\frac{7}{8}$ "
20599	$\frac{7}{16}$ "	.791"	$\frac{7}{8}$ "
20600	$\frac{19}{32}$ "	.834"	$\frac{7}{8}$ "
20601	$\frac{5}{8}$ "	.870"	$\frac{7}{8}$ "
20602	$\frac{11}{16}$ "	.952"	1"
20603	$\frac{3}{4}$ "	1.032"	1"

### $\frac{1}{2}$ " SQUARE DRIVE

20660	$\frac{3}{8}$ "	.605"	1 $\frac{1}{2}$ "
20661	$\frac{7}{16}$ "	.690"	1 $\frac{1}{2}$ "
20662	$\frac{1}{2}$ "	.773"	1 $\frac{1}{2}$ "
20663	$\frac{9}{16}$ "	.854"	1 $\frac{1}{2}$ "
20664	$\frac{19}{32}$ "	.897"	1 $\frac{1}{2}$ "
20665	$\frac{5}{8}$ "	.941"	1 $\frac{1}{2}$ "
20666	$\frac{21}{32}$ "	.982"	1 $\frac{1}{2}$ "
20667	$\frac{11}{16}$ "	1.022"	1 $\frac{1}{2}$ "
20668	$\frac{3}{4}$ "	1.105"	1 $\frac{1}{2}$ "
20669	$\frac{25}{32}$ "	1.147"	1 $\frac{1}{2}$ "
20670	$\frac{13}{16}$ "	1.190"	1 $\frac{1}{2}$ "
20671	$\frac{7}{8}$ "	1.273"	1 $\frac{1}{2}$ "
20672	$\frac{29}{32}$ "	1.313"	1 $\frac{1}{2}$ "
20673	$\frac{15}{16}$ "	1.354"	1 $\frac{3}{4}$ "
20675	1"	1.440"	1 $\frac{3}{4}$ "
20676	$\frac{11}{16}$ "	1.522"	2"
20678	$\frac{11}{16}$ "	1.605"	2"
20679	$\frac{13}{16}$ "	1.691"	2"

### $\frac{5}{8}$ " SQUARE DRIVE

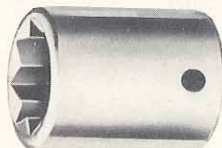
23759	$\frac{9}{16}$ "	.925"	1 $\frac{1}{2}$ "
23760	$\frac{5}{8}$ "	.984"	1 $\frac{1}{2}$ "
23761	$\frac{11}{16}$ "	1.100"	1 $\frac{3}{4}$ "
23762	$\frac{3}{4}$ "	1.187"	1 $\frac{3}{4}$ "
23763	$\frac{25}{32}$ "	1.210"	1 $\frac{3}{4}$ "
23764	$\frac{13}{16}$ "	1.250"	1 $\frac{3}{4}$ "
23765	$\frac{7}{8}$ "	1.312"	1 $\frac{3}{4}$ "
23766	$\frac{29}{32}$ "	1.375"	1 $\frac{3}{4}$ "
23767	$\frac{15}{16}$ "	1.400"	2"
23768	$\frac{31}{32}$ "	1.437"	2"
23769	1"	1.500"	2"
23770	$\frac{11}{16}$ "	1.562"	2"
23771	$\frac{11}{16}$ "	1.687"	2"
23772	$\frac{13}{16}$ "	1.750"	2"
23773	$\frac{11}{16}$ "	1.812"	2 $\frac{1}{8}$ "
23774	$\frac{13}{16}$ "	1.937"	2 $\frac{1}{8}$ "
23775	$\frac{13}{16}$ "	2.000"	2 $\frac{1}{4}$ "
23776	$\frac{17}{16}$ "	2.062"	2 $\frac{1}{4}$ "
23777	$\frac{11}{2}$ "	2.125"	2 $\frac{3}{8}$ "



# Screwdriver-Nutsetter Impact Wrench ACCESSORIES

Thor nut setter and impact wrench equipment is engineered and manufactured specifically to give maximum service with power tools. Socket Drivers convert power screwdrivers to nut setting applications. Socket Adaptors convert square drive of impact wrenches to larger or smaller drive as required.

## 3/4" SQUARE DRIVE HEXAGON SOCKETS



standard length-single broached

**SOCKET PINS**—3/4" square drive sockets are designed for use with socket pins and "O" ring pin retainers. Socket pins and "O" ring pin retainers are not furnished with these sockets. Order by numbers shown.

Catalog Number	For Size Nut Across Flats Inches	Outside Diameter Socket End Inches	Length Inches	Socket Pin	"O" Ring Retainer
20276	1/2	.937	1 7/8	23828	23832
20277	5/8	1.000	1 7/8	23828	23832
20278	3/4	1.093	1 7/8	23828	23832
20279	1 1/16	1.156	2	23828	23832
20280	3/4	1.250	2	23828	23832
20281	25/32	1.281	2	23828	23832
20282	13/16	1.375	2	23828	23832
20283	7/8	1.500	2 1/16	23828	23832
20284	29/32	1.500	2 1/16	23828	23832
20285	15/16	1.562	2 1/8	23828	23832
20286	1	1.625	2 1/8	23828	23832
20287	1 1/16	1.687	2 3/16	23828	23832
20288	1 1/8	1.750	2 1/4	23828	23832
20289	1 3/16	1.875	2 5/16	23828	23832
20290	1 1/4	2.000	2 3/8	23828	23832
20291	1 5/16	2.062	2 7/16	23828	23832
20292	1 3/8	2.125	2 1/2	23829	23833
20293	1 7/16	2.250	2 5/8	23829	23833

## SOCKET DRIVERS



The following suitable for use with either Impact or Power Type Sockets.

### 1/4" HEXAGON SHANK USE GUIDE BUSHING No. 75358

Catalog Number		Square Drive	Length Inches
Driver Only	Driver Bushing Assy.		
77387	73923	1/4"	2 1/8"
77388	73924	5/32"	2 1/8"
77389	73925	3/16"	2 1/8"

### Driver Only 7/16" HEXAGON SHANK

20513	3/8"	1 5/8"
20514	3/8"	2 3/4"
20515	3/8"	5"
20519	1/2"	1 13/16"
20520	1/2"	2 3/4"
20521	1/2"	5"

### Driver Only 5/8" HEXAGON SHANK

20527	1/2"	3"
20528	1/2"	5"



Catalog Number	Square Drive	Length Inches
<b>POWER TYPE</b>		
20887	3/8"	1 7/8"
20888	1/2"	2 5/16"
<b>IMPACT TYPE</b>		
21884	1/2"	2 3/8"
22241	3/8"	2 3/4"
22242	3/4"	4"
22243	1"	4 1/8"

## SOCKET DRIVER EXTENSIONS



Catalog Number	Type	Square Drive	Length
20892	Power	3/8"	3"
20893	Power	3/8"	6"
20895	Power	1/2"	2"
20896	Power	1/2"	5"
20897	Power	1/2"	10"
20899	Power	5/8"	8"
20332	Impact	5/8"*	4"
20333	Impact	5/8"*	6"
20899	Impact	5/8"*	8"
20336	Impact	3/4"***	7"
20337	Impact	3/4"***	10"
20338	Impact	3/4"***	13"
20339	Impact	1"†	6"
20340	Impact	1"†	9"
20341	Impact	1"†	12"

\*Outside Diam. Female End—1 1/16"  
\*\*Outside Diam. Female End—1 1/4"  
†Outside Diam. Female End—2"

## SOCKET ADAPTORS



Square Drive Socket Adaptors provide a ready means of changing the square drive of any impact wrench to a larger or smaller drive as required.

Catalog Number	Male Square	Female Square
20907	1/4"	3/8"
22194	1/2"	3/8"
22184	3/8"	1/2"
22185	3/8"	1/2"
22186	3/4"	1/2"
22187	1/2"	3/8"
22188	3/4"	3/8"
22189	1/2"	3/4"
22190	5/8"	3/4"
22191	1"	3/4"
22192	5/8"	1"
22193	3/4"	1"














Fine steel blades and safe, reenforced abrasive discs keep your saw cutting at maximum efficiency. Available in all popular styles to fit Thor SilverLine and CopperLine Saws. Diamond arbor blades fit directly on SilverLine Saws, round arbor hole blades fit CopperLine Saws. No. 22289 adaptor converts diamond arbors to  $\frac{5}{8}$ " round arbors.

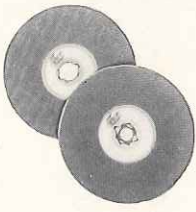
# Saw ACCESSORIES

## SAW BLADES AND FLEXIBLE WHEELS

To convert diamond arbor blades for use on  $\frac{5}{8}$ " round arbor order adaptor No. 22289

BLADE TYPE	USED FOR	SilverLine DIAMOND ARBOR SAWS		CopperLine $\frac{5}{8}$ " ROUND ARBOR SAWS	
		Catalog No.	Blade Diameter	Catalog No.	Blade Diameter
<b>COMBINATION</b> 	All purpose blade for general use ripping or cross-cutting soft woods.	73863	6 $\frac{1}{4}$ "	16632	6 $\frac{1}{2}$ "
		73875	7 $\frac{1}{4}$ "	16491	7 $\frac{1}{4}$ "
		73881	8 $\frac{1}{4}$ "	16843	8"
		73894	10"		
		73899	12"		
<b>CUT-OFF</b> 	Specially designed for cross-cutting, giving smoother cuts than combination blade.	73865	6 $\frac{1}{4}$ "	16826	6 $\frac{1}{2}$ "
		73876	7 $\frac{1}{4}$ "	16844	7 $\frac{1}{4}$ "
		73883	8 $\frac{1}{4}$ "	16845	8"
		73895	10"		
		73900	12"		
<b>MITRE</b> 	Hollow ground planer blade recommended for interior finish and trim. Very smooth cutting.	73867	6 $\frac{1}{4}$ "	16827	6 $\frac{1}{2}$ "
		73877	7 $\frac{1}{4}$ "	16846	7 $\frac{1}{4}$ "
		73885	8 $\frac{1}{4}$ "	16847	8"
		73896	10"		
<b>RIP</b> 	Greater tooth set to minimize binding and to provide faster cutting speed.			16828	6 $\frac{1}{2}$ "
				16848	7 $\frac{1}{4}$ "
		73898 73901	10" 12"	16849	8"
<b>FLOORING</b> 	Recommended for old floors, lumber, etc., where nails, metal plaster lath, are to be cut through.	73873	6 $\frac{1}{4}$ "	16829	6 $\frac{1}{2}$ "
		73878	7 $\frac{1}{4}$ "	16850	7 $\frac{1}{4}$ "
		73886	8 $\frac{1}{4}$ "	16851	8"
		73897	10"		
<b>CARBIDE TIPPED</b> 	For production cutting of new lumber ... fewer sharpenings needed. Also cuts asbestos cement panels.	22315	6"		
		22313	7"		
		22314	8"		
<b>METAL CUTTING</b> 	Hollow ground for cutting aluminum, copper, lead, plastics.	73874	5 $\frac{7}{8}$ "		
		73888	8 $\frac{1}{4}$ "		
<b>FINE TOOTH</b> 	Gives smoother cuts on softer materials such as wall board, thin plastics, etc.	73869	6 $\frac{1}{4}$ "		
		73879	7 $\frac{1}{4}$ "		
		73887	8 $\frac{1}{4}$ "		
<b>FRICTION</b> 	Metal cutting for flat or corrugated sheets of roofing, etc., hollow ground.	73871	6 $\frac{1}{4}$ "		
		73884	8 $\frac{1}{4}$ "		

## UNIVERSAL ... REINFORCED ... FLEXIBLE ... NON-BREAKABLE ... CUT OFF WHEELS FOR POWER SAWS

<p>Extra strength and safety built in. Thor flexible cut-off wheels are reinforced with a layer of glass fiber on each side of the wheel. Wheels flex without shattering ... reducing breakage and replacement costs to a minimum. Universal arbor hole fits diamond, square or <math>\frac{5}{8}</math>" round arbor.</p> 	USE FOR CUTTING	CATALOG NUMBER	WHEEL SIZE
	ALL METALS	25702 25704 25706 25708 25718 25720	6 $\frac{1}{4}$ " x $\frac{1}{8}$ " 7 $\frac{1}{4}$ " x $\frac{1}{8}$ " 8" x $\frac{1}{8}$ " 6 $\frac{1}{4}$ " x $\frac{3}{16}$ " 7 $\frac{1}{4}$ " x $\frac{3}{16}$ " 8" x $\frac{3}{16}$ "
	CONCRETE AND ALL CONCRETE PRODUCTS	25701 25703 25705 25707 25717 25719	6 $\frac{1}{4}$ " x $\frac{1}{8}$ " 7 $\frac{1}{4}$ " x $\frac{1}{8}$ " 8" x $\frac{1}{8}$ " 6 $\frac{1}{4}$ " x $\frac{3}{16}$ " 7 $\frac{1}{4}$ " x $\frac{3}{16}$ " 8" x $\frac{3}{16}$ "

## SAW LUBRICANT

Catalog Number	Quantity
70065	2 fl. oz. tube
73798	8 fl. oz. tube
21382	2 lb. can
75975	8 lb. can



## SAW CASE

No. 16852 for all CopperLine Saws.





# Bench Grinder Hammer-Scaler ACCESSORIES

Thor electric hammer and air scaling hammer accessories are manufactured from finest chisel steel heat treated for maximum wear, at both cutting edge and shank end. Electric hammer accessories available with round or hexagon shank as indicated. Bench grinder accessories include plain or illuminated eye shields, heavy duty pedestal with coolant cup.

## U-100 ELECTRIC HAMMER ACCESSORIES TAPER SHANK STAR DRILLS

Point Diameter	DRILLING DEPTH				
	5"	9"	12"	18"	24"
1/4"	70336				
5/16"	70337	70445			
3/8"	70338	70345	70446		
7/16"	70339	78645	70353	78646	
1/2"	70340	70346	70354	70359	70364
5/8"	70447	70347			
3/4"	70341	70348	70355	70360	70365
11/16"		70349			
3/4"	70342	70350	70356	70361	70366
7/8"	70343	70351	70357	70362	70367
1"	70344	70352	70358	70363	70368
1 1/8"	74842	74843	74844	74845	74846

### STANDARD CHISELS

Description	Length	Number
Chisel—Round Shank	5"	71263
	9"	71264
	12"	71265
Chisel—Hex. Shank	5"	71266
	9"	71267
	12"	71268
Bull Point—Round Shank	5"	71269
	9"	71270
	12"	71271

### SPECIAL CHISELS ROUND SHANK TOOLS

Description	Number
Mortar Chisel.....	68103
Bush Hammer (Head 1 1/2" Sq.).....	24930
Plain Face Hammer (Head 1 1/2" Sq.).....	24933
Scaling Chisel (2" Blade).....	68411
Scaling Chisel (1 1/2" Blade).....	68412

### HEXAGON SHANK TOOLS

Web Cutting Tool.....	68408
Flat Wood Chisel (2 1/2" Blade).....	68409
Wood Gouge.....	68410

no. 61076 taper shank holder  
no. 61090 ejector pin  
no. 68085 sling shot yoke  
no. 69359 dust shield

### STAR DRILL



### STANDARD CHISEL



### BULL POINT



### MORTAR CHISEL



### BUSH HAMMER



### SCALING CHISEL



### WEB CUTTING TOOL



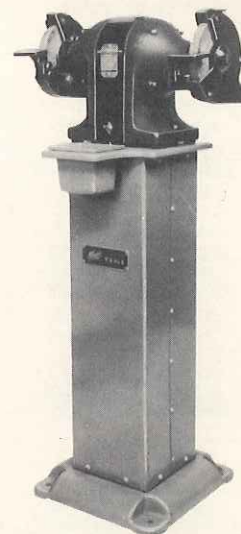
### FLAT WOOD CHISEL



### WOOD GOUGE



## PEDESTAL FOR BENCH GRINDERS



Catalog No. BGS for 6",  
7", 8" and 10" Bench  
Grinders

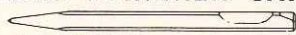
height.....31 1/4"  
base.....14" x 14"  
weight.....56 1/2 lbs.  
shipping weight.....62 lbs.

Equipped with detachable water cup;  
2 each attachment bolts, nuts and  
washers. Base has bolt holes for  
rigid attachment to floor.

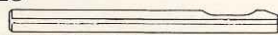
## SCALING HAMMER CHISELS



No. 73501 Angle Chisel



No. 73502 Straight Chisel



No. 73574 Chisel Blank

### SCALING TOOL PISTONS



Catalog No. 58401  
Standard Piston for  
No. 26 Scaling Tool



Catalog No. 84135  
Standard Piston for  
No. 326 Scaling Tool

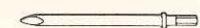


Catalog No. 84136  
Stellite Piston for  
No. 326 Scaling Tool

## UTILITY HAMMER ACCESSORIES



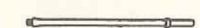
No. 71381 Flat Chisel, 14"  
long



No. 71378 Moil Point, 14"  
long



No. 71384 Chisel Bit, 14"  
long



No. 22096 Hollow Drill  
Steel 14" long, "S" thread



AIR HOSE—No. C-H-  
265, length 25 feet, 3/8"  
hose with 3/8" female pipe  
thread fittings at both ends

Also available Chuck No.  
88461 and Steel Retainer No.  
C-15011 for use with Thun-  
derbolt Bit made by New  
England Carbide Tool Co.

4 pt. TIMKEN  
BITS with "S"  
Thread

1 1/4".....No. 24924  
1 1/2".....No. 24925  
1 3/4".....No. 24926  
1 1/2".....No. 24927

No. C-15080  
Power Regula-  
tor for 15D

No. C-15007 Over-  
size Steel Retainer

No. C-15006 Split  
Bushing for use  
with Oversize Re-  
tainer on tools with  
collar O.D. larger  
than 1 1/2".



No. C-15065 Adaptor  
for Thor Taper Shank Star Drills

No. C-15076 Adaptor  
for Navy Hexagon Shank Star

### RAWL CHUCKS

No. 88011 for no. 5/8 Rawl  
Drill Taper

No. 88010 for no. 20 Rawl  
Drill Taper

No. 88009 for no. 14 Rawl  
Drill Taper

## HOLLOW DRILL STEEL 7/8" x 3 1/4" SHANK (with integral carbide insert bit)

Steel Size Under Collar, Inches	Drilling Depth, Inches	Bit Diam. Inches	CATALOG No.	
			2 Point	4 Point
9	4	3/4	25441	—
9	6	3/4	25442	—
9	4	7/8	25443	—
9	6	7/8	25444	—
12	8	1	25445	—
12	8	1 1/8	25446	—
18	14	1 1/8	25447	—
24	20	1 1/8	25448	—
12	12	1 1/4	25449	25464
18	18	1 1/4	25450	25465
24	24	1 1/4	25451	25466
12	12	1 3/8	25452	25467
18	18	1 3/8	25453	25468
24	24	1 3/8	25454	25469
12	12	1 1/2	25455	25470
18	18	1 1/2	25456	25471
24	24	1 1/2	25457	25472
12	12	1 5/8	25458	25473
18	18	1 5/8	25459	25474
24	24	1 5/8	25460	25475
12	12	1 3/4	25461	25476
18	18	1 3/4	25462	25477
24	24	1 3/4	25463	25478

## BENCH GRINDER EYE SHIELDS



STANDARD TYPE  
Catalog No. 64482 (pair)  
Shatterproof glass  
No. 22730 Glass only



115v.  
ILLUMINATED TYPE  
Catalog No. 74367 (one only)  
Shatterproof Glass

No. 22733 Glass only

No. 22734 Gasket for Glass

No. 22732 115v. Light Bulb





Thor grinding wheels and wire brushes are manufactured to highest industrial standards to stand up under roughest portable power tool applications. Conform 100% to all safety codes and standards. Complete range of styles and sizes for portable and bench grinders. All items individually packaged and labelled for user convenience.

## Bench and Straight Grinder ACCESSORIES



### STRAIGHT GRINDING WHEELS

Cat. No.	Diam.	Dimensions		Maximum Spindle Speed R.P.M.	Type
		Width	Hole		
FOR PORTABLE GRINDERS					
72263	4"	¾"	½"	6000	Vit
72286	5"	¾"	½"	4500	Vit
72333	6"	1"	⅝"	4000	Vit
FOR BENCH GRINDERS					
72307	6"	½"	½"	3800	Vit-Med.
72843	6"	½"	½"	3800	Vit-Coarse
72315	6"	½"	½"	3800	Vit-Fine
72316	6"	¾"	½"	3800	Vit-Med.
72844	6"	¾"	½"	3800	Vit-Coarse
72324	6"	¾"	½"	3800	Vit-Fine
72354	7"	1"	⅝"	3500	Vit-Med.
72362	7"	1"	⅝"	3500	Vit-Coarse
72363	7"	1"	⅝"	3500	Vit-Fine
72381	8"	1"	⅝"	4500	Bonded-Med.
72382	8"	1"	⅝"	4500	Bonded-Coarse
72385	8"	1"	⅝"	4500	Bonded-Fine
72404	10"	1"	¾"	1900	Vit-Medium
72412	10"	1"	¾"	1900	Vit-Coarse
72403	10"	1"	¾"	1900	Vit-Fine

### BONDED CUP GRINDING WHEELS



STRAIGHT CUP



FLARING CUP

All Cup Wheels shown have 5/8" x 11 threaded hole.

Cat. No.	Application	Wheel Diameter	Overall Width	Rim Width	Back Thkns.
<b>STRAIGHT CUP</b>					
72431	General Purpose	4"	2"	5/8"	3/4"
72458	General Purpose	6"	2"	1 1/8"	3/4"
<b>FLARING CUP</b>					
72423	General Purpose	4" x 3"	1 3/4"	1"	5/8"
72467	General Purpose	6" x 4 3/4"	2"	1"	3/4"

\*Wheel diameter of flared wheels—first figure indicates large diameter second figure indicates small diameter.

### CLOTH BUFFING WHEELS

No. 64419—6" diameter,  
1/2" width, 1/2" hole

No. 64420—6" diameter,  
1/2" width, 3/8" hole



### WIRE BRUSHES

Wire Gauge Sizes: 30 ga.—.014" 33 ga.—.012" 36 ga.—.009"

**ARBOR HOLE ADAPTOR TYPE**  
EACH WHEEL FURNISHED with one pair of Arbor Hole Adaptors. Specify arbor hole size required.

CATALOG NO.		Brush Diam- eter	BRUSH WIDTH		SIZE ARBOR		Approx. Shipping Weight
Wire Gauge 30	Wire Gauge 33		Face	Hub	Max.	Min.	
CRIMPED WIRE—HEAVY DUTY							
72587	72593	4"	1 1/8"	7/8"	1"	1/4"	1 lb.
	72594	6"	1 1/2"	1 1/8"	2"	1/2"	2 lb.
25721		6"	1 1/2"	1 1/8"	1 1/2"	1/2"	2 lb.
25722		6"	1 1/2"	1 1/8"	5/8"	3/8"	2 lb.
	72595	7"	1 1/2"	1 1/8"	2"	1/2"	2 1/4 lb.
24243		7"	1 1/2"	1 1/8"	1 1/2"	1/2"	2 1/4 lb.
24244		7"	1 1/2"	1 1/8"	5/8"	3/8"	2 1/4 lb.
72590	72596	8"	1 3/4"	1 1/4"	2"	1/2"	3 lb.
CRIMPED WIRE—STANDARD DUTY							
73061	73067	4"	3/4"	1/2"	1"	1/4"	3/4 lb.
	73068	6"	1"	5/8"	2"	1/2"	1 lb.
25380		6"	1"	5/8"	1 1/2"	3/8"	1 lb.
25381		6"	1"	5/8"	1 1/2"	3/8"	1 lb.
25723		7"	1"	5/8"	1 1/2"	1/2"	1 1/4 lb.
25724		7"	1"	5/8"	3/8"	3/8"	1 1/4 lb.
73064	73070	8"	1 1/8"	3/4"	2"	1/2"	1 3/4 lb.

### INTERCHANGEABLE ARBOR HOLE ADAPTORS

FOR 4" BRUSHES		FOR 6", 7" AND 8" BRUSHES	
Cat. No. (Pair)	Arbor Hole Size	Cat. No. (Pair)	Arbor Hole Size
72599	1/4"	72605	1/2"
72600	3/8"	72606	3/8"
72601	1/2"	72607	3/4"
72602	5/8"	72608	7/8"
72603	3/4"	72609	1"
72604	1"		
72610	1 1/8"	72611	1 1/4"
72612	1 1/2"	72613	1 3/4"



### SECTION TYPE WIRE BRUSHES CRIMPED WIRE

Catalog Number	Brush Diameter	Brush Width		Size Arbor Hole	Wire Gauge	Approx. Shpg. Wt.
		Face	Hub			
23177	4"	3/16"	3/8"	1/2"	33	.35 lb.
23210	6"	3/4"	3/8"	1/2"	33	.6 lb.
23211	6"	3/4"	3/8"	5/8"	33	.6 lb.



### CUP WIRE BRUSHES SPIRAL TWIST WIRE

GENERAL PURPOSE CUP WIRE BRUSHES		Specifications listed below apply to both general purpose and heavy duty cup wire brushes				HEAVY DUTY CUP WIRE BRUSHES	
Cat. No.	Ship. Wt. lbs.	Approx. O.D.	Approx. I.D.	Arbor Hole	Wire Size	Cat. No.	Ship. Wt. lbs.
<b>WITH PLAIN UNTHREADED ARBOR</b>							
73073	1 3/4	4"	2"	5/8"	.020"	72632	2 1/2
73074	1 3/4	4"	2"	5/8"	.012"	72633	2 1/2
73075	3	6"	3 1/2"	5/8"	.020"	72634	4
73076	3	6"	3 1/2"	5/8"	.030"	72635	4
<b>WITH THREADED ARBOR. 5/8" x 11 THREAD</b>							
73077	1 3/4	4"	2"	5/8"-11	.020"	72636	2 1/2
73078	1 3/4	4"	2"	5/8"-11	.012"	72637	2 1/2
73079	3	6"	3 1/2"	5/8"-11	.020"	72638	4
73080	3	6"	3 1/2"	5/8"-11	.030"	72639	4





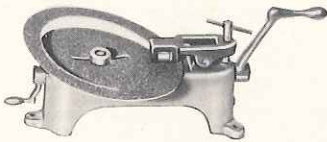
# Grinder-Sander ACCESSORIES

Thor offers a complete line of disc sander and disc grinder accessories, manufactured to highest standards for maximum service with portable electric tools. "Depressed center" wheels offer unequalled grinding efficiency, safety, long life. Complete line of mounted wheels and points for use in electric drills, small grinders.

## SANDING DISC TRIMMER

No. 74368 cuts larger discs (up to 9") down to smaller sizes (to 4" minimum). Salvages used discs for service with smaller pads.

No. 21260 Replacement cutter blade.



## SANDER BACKING PADS

No. 74139.....7" rubber backing pad

No. 74140.....9" rubber backing pad



## KOOLBACK PADS

No. 21261.....7" flexible pad

No. 21262.....7" medium pad

No. 21263.....7" rigid pad

No. 21264.....9" flexible pad

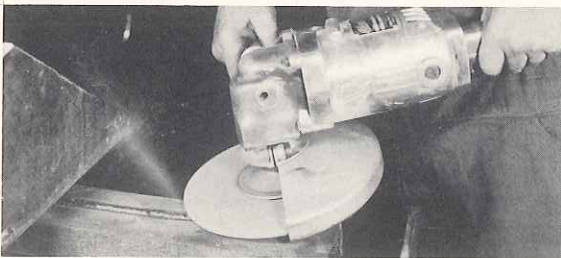
No. 21265.....9" medium pad

No. 21266.....9" rigid pad

## SANDING DISC CLAMP NUT

No. 59572 for all Thor 7" and 9" rubber and Koolback pads.

No. 60277 spanner wrench for no. 59572 clamp nut.



## DEPRESSED CENTER GRINDING WHEELS



7/8" HOLE

Made of laminated sheets of cotton fibre filled with abrasive grain. See Guard Kits below.

Size of Grain	7" Diameter Cat. No.	9" Diameter Cat. No.	Thickness, Inches
---------------	----------------------	----------------------	-------------------

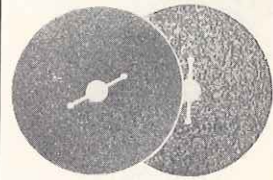
For use at 6000 rpm maximum speed

16	22624	22639	1/8
24	22625	22640	
36	22626	22641	
50	22627	22642	
80	22628	22643	3/16
16	22629	22644	
24	22630	22645	
36	22631	22646	
50	22632	22647	1/4
80	22633	22648	
16	22634	22649	
24	22635	22650	
36	22636	22651	1/2
50	22637	22652	
80	22638	22653	

For use at 8000 rpm maximum speed

24	25375	1/8
36	25376	
50	25377	
80	25378	

## SANDING DISCS



7/8" HOLE

### CLOSED GRAIN

Size of Grain	CATALOG NUMBER	
	7" Disc	9" Disc
16	72775	72797
24	72776	72798
30	72777	72799
36	72778	72800
50	72779	72801
60	72780	72802
80	72781	72803
100	72782	72804
120	72783	72805
150	72784	72806
180	72785	72807

### OPEN GRAIN

*16	72786	72808
24	72787	72809
30	72788	72810
36	72789	72811

\*No. 16 Discs packed 10 to a box. All other Discs packed 25 to a box.

## DEPRESSED CENTER CONVERSION KITS

Kits convert cup-wheel grinders to "depressed-center" disc-wheel grinders—with open guard, threaded backing plate, spacing washers, wheel nut and wrench.

No. 82812.....7" conversion kit

No. 82813.....9" conversion kit



## MOUNTED WHEELS AND POINTS

Cat. No.	72648	71723	71722	72649	72650	72651	72652	72653	72654	72655
Widest Diameter	3/4"	7/8"	1"	1 1/4"	3/4"	3/4"	1 3/16"	1 1/16"	1 1/8"	1 1/16"
Abrasive Length	2 1/2"	2 3/4"	1 1/4"	1 1/4"	1 1/8"	1 1/8"	1 3/4"	1 1/4"	1 1/8"	7/8"

Cat. No.	72656	71724	72657	72658	72659	71725	72660	71726	72662	72663
Widest Diameter	1/4"	1"	3/4"	3/4"	1/4"	1"	5/8"	1 3/8"	1"	1"
Abrasive Length	1 1/16"	1"	5/8"	1"	3/4"	1"	5/8"	1"	3/8"	1/2"

Cat. No.	72664	72665	72661	72666	72667	72668
Widest Diameter	1 1/2"	1"	1 5/8"	1 1/4"	1"	3/4"
Abrasive Length	3/8"	3/8"	3/8"	1/4"	1"	3/4"

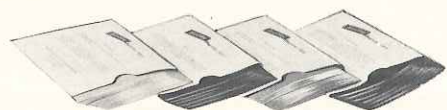
**NOTE:** Mandrels on all these mounted wheels and points have 1/4" chucking diameter and 2" length (projection from face of abrasive).





Thor abrasive sheets and belts are engineered especially for portable power tool service combining maximum cutting efficiency with long abrasive life. Backing pads are manufactured from highest quality industrial rubber, life-time vulcanized to metal parts. Lambswool bonnets are full fashioned from selected skins for maximum service.

## Sander-Polisher ACCESSORIES



### No. C45X9 SANDER ACCESSORIES



**No. 17003**—18 sheets 1/0 Aluminum Oxide 80-grit (open face) 4½" x 11"

**No. 17004**—18 sheets 3/0 Aluminum Oxide 120-grit (open face) 4½" x 11"

**No. 17005**—18 sheets 6/0 Aluminum Oxide 220-grit (open face) 4½" x 11"

**No. 17006**—18 sheets 9/0 Silicon Carbide 320-grit (waterproof) 4½" x 11"

**No. 17007**—18 sheets 12/0 Silicon Carbide 320-grit (waterproof) 4½" x 11"

**No. 17008**—18 sheets assorted Aluminum Oxide (open face) covers 4½" x 11"

**No. 16874**—Contour Plate assembly neoprene pad ¾" thick

**No. 16899**—Lambs Wool polishing pad 4½" x 11"



**BLOWER CONNECTION AND DUST BAG ASSEMBLY**  
Catalog No. 78604

**CONVERSION UNIT**  
Catalog No. 79545 converts T45 Sander to T45V (vacuum dust collector) Sander.



### SANDING BELTS

FOR WOOD		FOR METAL		FOR STONE	
Grade	Cat. No.	Grade	Cat. No.	Grade	Cat. No.
3	21192	24	21201	24	21214
2½	21193	30	21202	30	21215
2	21194	36	21203	36	21216
1½	21195	40	21204	40	21217
1	21196	50	21205	50	21218
1/2	21197	60	21206	60	21219
1/0	21198	80	21207	80	21220
2/0	21199	100	21208	100	21221
3/0	21200	120	21209	120	21222
		150	21210	150	21223
		180	21211	180	21224
		220	21212	220	21225
		320	21213	320	21226
FOR REMOVING VARNISH					
3	21227	2	21229	1	21231
2½	21228	1½	21230	½	21232
FABRIC BELT FOR POLISHING					
Catalog No. 21233.....grade 926					

### SPECIAL RECOMMENDATIONS FOR STONE BELTS

**MARBLE**—Use Grade No. 40 for leveling off rough surfaces, shaping, fitting; No. 60 for removing scratches left by No. 40; Nos. 150, 220 and 320 for honing.

**CAST STONE**—Use Nos. 24 and 40 for grinding and leveling off surfaces; No. 60 for smoothing; No. 150 for honing.

**NATURAL STONE**—(including Indiana limestone). Use Nos. 24 and 40 for grinding, cutting bevels, leveling off surfaces; No. 60 for removing scratches, smoothing down.



**PNEUMATIC PAD**

### POLISHER ACCESSORIES

**Catalog No. 66720**, recommended for use with the New Thor EL-91 Polisher for *fast polishing*... won't burn or raise paint... does not leave rings or whirls... sucks up clouds of scum... an unbeatable combination for production polishing.



### RUBBER BACKING PAD

**Catalog No. 22483**—Tapered back Flexible Pad (for use with or without felt pad).

**FELT CUSHION PAD**  
Catalog No. 61111

**BACKING PAD NUTS** Catalog No. 71282 for use with No. 22483 Flexible Pad and No. 61112 Lambswool Pad combined.

**Catalog No. 75048** for use with No. 22483 backing pad and No. 61111 Felt Cushion combined.

**SPANNER WRENCH** Catalog No. 60277 fits both backing pad nuts.

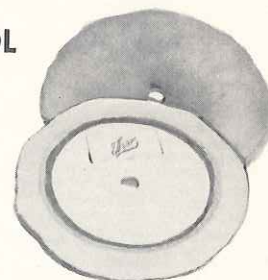
### LAMBSWOOL BONNETS (drawstring type)



**Catalog No. 74329** for use with No. 66720 Pneumatic Pad or with No. 22483 Flexible Pad and No. 61111 Felt Pad combined.

**Catalog No. 81738** for use with Flexible Pad No. 22483 only.

### LAMBSWOOL PAD



**Catalog No. 61112** for use with Flexible Pad No. 22483 only or for use with Flexible Pad No. 22483 and Felt Cushion Pad No. 61111 combined.





# Valve Grinder ACCESSORIES

Complete, modern line of valve seating grinding accessories engineered for top performance with Thor valve seat grinders on all types of internal combustion engines. Recommendations for specific engines are contained in Thor Valve Seat Grinding Manual No. 9984 copy available upon request.



## HEAVY DUTY WHEEL DRESSER

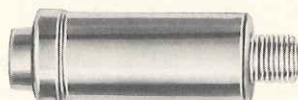
Catalog No. 74241  
takes up to 3 1/2" wheel.

## PLAIN BEARING WHEEL HOLDER



Catalog No. 25582 1/2" straight hexagon driving socket, 1 1/8" x 16 wheel thread.

## ROLLER BEARING WHEEL HOLDER



Catalog No. 25584 1/2" straight hexagon driving socket, 1 1/8" x 16 wheel thread.



## SHORT ROLLER BEARING WHEEL HOLDER

Catalog No. 25583 1/2" straight hexagon driving socket, 1 1/8" x 16 wheel thread.

## ADAPTOR BUSHING



Catalog No. 25588 adapts Thor 1 1/8" x 16 thread seat grinding wheels to 3/8" x 16 thread.

## HEX BALL ADAPTOR



Catalog No. 74244 threads into Thor Valve Seat Grinder Spindle, permits use of other type wheel holders.



## PILOT WRENCH

Catalog No. 80984 for use with 3/8" stem pilots using 25582, 25583, 25584 wheel holders.

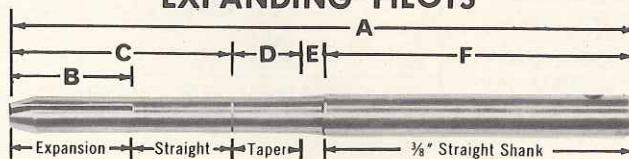
## VALVE SEAT GRINDING WHEELS-11/16" x 16 Threaded Hole

Diam- eter	45°			30°			15° Narrow- ing
	Roughing		Finishing	Roughing		Finishing	
	For Soft Seats	For Hard Seats		For Soft Seats	For Hard Seats		
1 1/8"		*22017	*21427				
1 1/4"	*21430	*22018	*21429	*21432	*22023	*21431	*21433
1 1/2"		*22019	*21434		*22024	*21436	
1 3/4"	*21440	*22020	*21439	*21442	*22025	*21441	*21443
1 1/2"	74168	21234	74159	74169	21235	74163	74224
1 5/8"	74165	21238	74160	74175	21239	74174	74225
1 3/4"	74166	21242	74161	74180	21243	74164	74226
1 7/8"	74185	21246	74162	74187	21247	74186	74227
2"	74249	21250	74248	74251	21251	74250	21302
2 1/8"	74197	21254	74196	74199	21255	74198	21304
2 1/4"	74205	21258	74204	74207	21259	74206	21306
2 3/8"	74213	21326	74212	74215	21327	74214	21308
2 1/2"	74221	21330	74220	74223	21331	74222	21310
2 5/8"	75980	21334	75981	75982	21335	75983	21311
2 3/4"	75984	21336	75985	75986	21337	75987	21312
2 7/8"	75990	21340	75991	75992	21341	75993	21314
3"	75994	21342	75995	75996	21343	75997	21315
3 1/2"	76010	21350	76011	76012		76013	

\*1 1/2" Length, all others 3/4" Length.

NOTE: 15° Wheels for International Trucks: 2 3/8" 15° Roughing Wheel, Cat. No. 22035  
2 5/8" 15° Finishing Wheel, Cat. No. 22036

## EXPANDING PILOTS



Catalog No.	Pilot Size	A	B	C	D	E	F
25589	1/4	4 5/8	3/4	1 3/8	7/8		2 3/8
25590	1/4	3 3/4	3/4	1	7/8		2
25591	5/32	4 5/8	7/8	1 3/8	7/8		2 3/8
25592	5/32	3 3/4	3/4	1	7/8		2
25593	5/16	5 1/4	7/8	1 3/4	3/4		2 3/4
25594	5/16 + .015	5 1/4	7/8	1 3/4	3/4		2 3/4
25595	5/16	4 9/16	1 5/16	1 5/16	7/8		2 3/8
25596	5/16	6 1/4	7/8	1 3/4	3/4	1/2	3 1/4
25597	11/32	5 1/4	7/8	1 3/4	3/4		2 3/4
25598	11/32	4 1/2	7/8	1 1/4	7/8		2 3/8
25599	11/32	6 1/4	7/8	1 3/4	3/4	1/2	3 1/4
25600	11/32 + .015	5 1/4	7/8	1 3/4	3/4		2 3/4
25601	3/8	6	7/8	2 1/4	3/4		3
25602	3/8 + .015	5 3/4	7/8	2	3/4		3
25603	3/8	4 1/2	7/8	1 1/4	7/8		2 3/8
25604	3/8	7 1/4	7/8	2 1/4	3/4	1	3 1/4
25605	.397	5 7/8	7/8	2 1/8	5/8		3 1/8
25606	13/32	6	7/8	2 1/4	3/4		3
25607	13/32	7 1/4	7/8	2 1/4	3/4	1	3 1/4
25608	7/16	6 1/4	1	2 1/2	3/4		3
25609	7/16	7 1/2	1	2 1/2	3/4	1	3 1/4
25610	7/16	8 1/2	1	2 1/2	1 1/8	1 5/16	3 1/4
25611	7/16	5 1/4	7/8	1 3/8	7/8		3
25612	1/2	6 1/4	1	2 1/2	3/4		3
25613	1/2	8	1	2 1/2	1 1/8	1 3/16	3 1/4
25614	1/2	7 1/4	1	2 1/2	1 5/16		3 5/16
25615	17/32	6 3/4	1 1/8	2 1/2	3/4		3 1/2
25616	9/16	6 1/4	1 1/8	2 1/2	3/4		3
25617	9/16	8	1 1/8	2 1/2	1 1/8	1 3/16	3 1/4
25618	19/32	5 1/4	1 5/16	1	1/2	3/4	3
25619	5/8	6 1/4	1 1/8	2 1/2	3/4		3
25620	11/16	6 1/4	1 1/8	2 1/2	3/4		3
25621	11/16	8 3/8	1 1/8	2 1/2	1 3/8	1	3 1/2
25622	3/4	6 3/4	1 1/8	2 1/2	1		3 1/4
25623	1 1/2	4 3/4	1 3/16	3/4	1/2		3 5/16
25624	.850" Special Pilot for Ford V-8 60.						
25625	1 1/32" x 1 Special Pilot for Ford V-8 for use when lifters are removed from engine.						



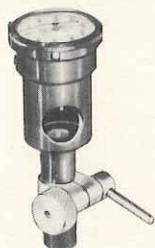
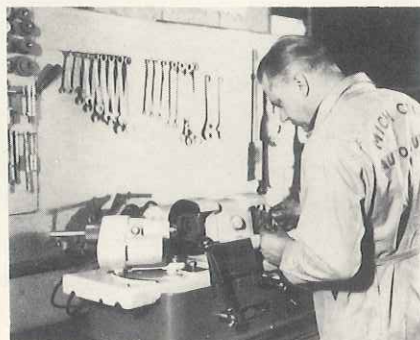


For maximum service from your Thor Valve Refacer, order Thor valve refacer wheels and coolant, engineered to match advanced features of Thor valve refacing equipment. Grinding wheels are safety code approved. Thor valve guide cleaners are available in two styles, both with  $\frac{1}{4}$ " shanks for operation in  $\frac{1}{4}$ " electric drills.

## Valve Grinder ACCESSORIES

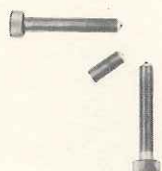
### VALVE REFACER GRINDING WHEELS

Catalog No.	Use With Thor Valve Refacers	Description	Size
85767	Nos. 300 and 299	General Purpose Offset	5" x 1" x $\frac{5}{8}$ " hole
73534	Nos. 100 and 99	General Purpose Offset	4" x 1" x $\frac{5}{8}$ " hole
74247	Nos. 100 and 99	Double Recessed 90° Wheel	4" x $\frac{3}{4}$ " x $\frac{5}{8}$ " hole
73533	Nos. 300, 299, 100 and 99	Butt Grinding Cup Wheel	4" x 1" x $\frac{5}{8}$ " hole
88507	Nos. 300 and 299	Stellite Offset Wheel	5" x 1" x $\frac{5}{8}$ " hole
73535	Nos. 100 and 99	Stellite Offset Wheel	4" x 1" x $\frac{5}{8}$ " hole



### DIAL INDICATOR GAUGES

**Catalog No. 82457** heavy duty, mounts on Thor pilots, adjustable for seats from  $1\frac{1}{8}$ " to  $3\frac{1}{2}$ ". Dial graduated in .001".



### WHEEL DRESSING NIBS

**Catalog No. 74448** for Thor Valve Refacers.  
**Catalog No. 74327** for no. 74241 Valve Seat Wheel Dresser.

### THOR GRINDING OIL



**Catalog No. 24923** one gallon can (not soluble).

### THOR COOLANT



**Catalog No. 20316** one pint can (makes 6 gallons).  
**Catalog No. 20317** one gallon can (makes 50 gallons).



### VALVE REFACER CABINET

**Catalog No. 74328**, heavy gauge steel construction with masonite table surface, swivel casters. 36" long x 20" wide x 33" high.

### VALVE REFACER COVER

**Catalog No. 74666**, sturdy pyroxolin material, waterproof, cut to cover entire 299 or 300 Thor Valve Refacer.

### VALVE GUIDE CLEANERS

#### REAMER TYPE

Size	Number
$\frac{9}{32}$ "	74228
$\frac{5}{16}$ "	74229
$1\frac{1}{32}$ "	74230
$\frac{3}{8}$ "	74231
$1\frac{1}{32}$ "	74232
$\frac{7}{16}$ "	74233
$1\frac{5}{32}$ "	74234
$\frac{1}{2}$ "	74235
$\frac{9}{16}$ "	74236
.592"*	74237
.850"*	74240
$1\frac{1}{32}$ "†	74239

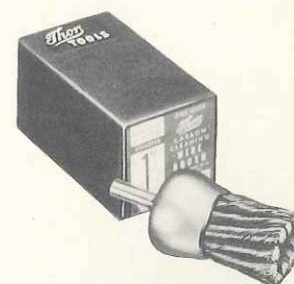
\*Ford A&B

\*\*V8-60 †V8-85

#### BRUSH TYPE

Size	Number
$\frac{5}{16}$ "	73081
$1\frac{1}{32}$ "	73082
$\frac{3}{8}$ "	73083
$1\frac{1}{32}$ "	73084
$\frac{7}{16}$ "	73085
$\frac{1}{2}$ "	73086
$\frac{9}{16}$ "	73087
$\frac{5}{8}$ "	73088
$1\frac{1}{32}$ "	73089
$1\frac{1}{32}$ "*	73090

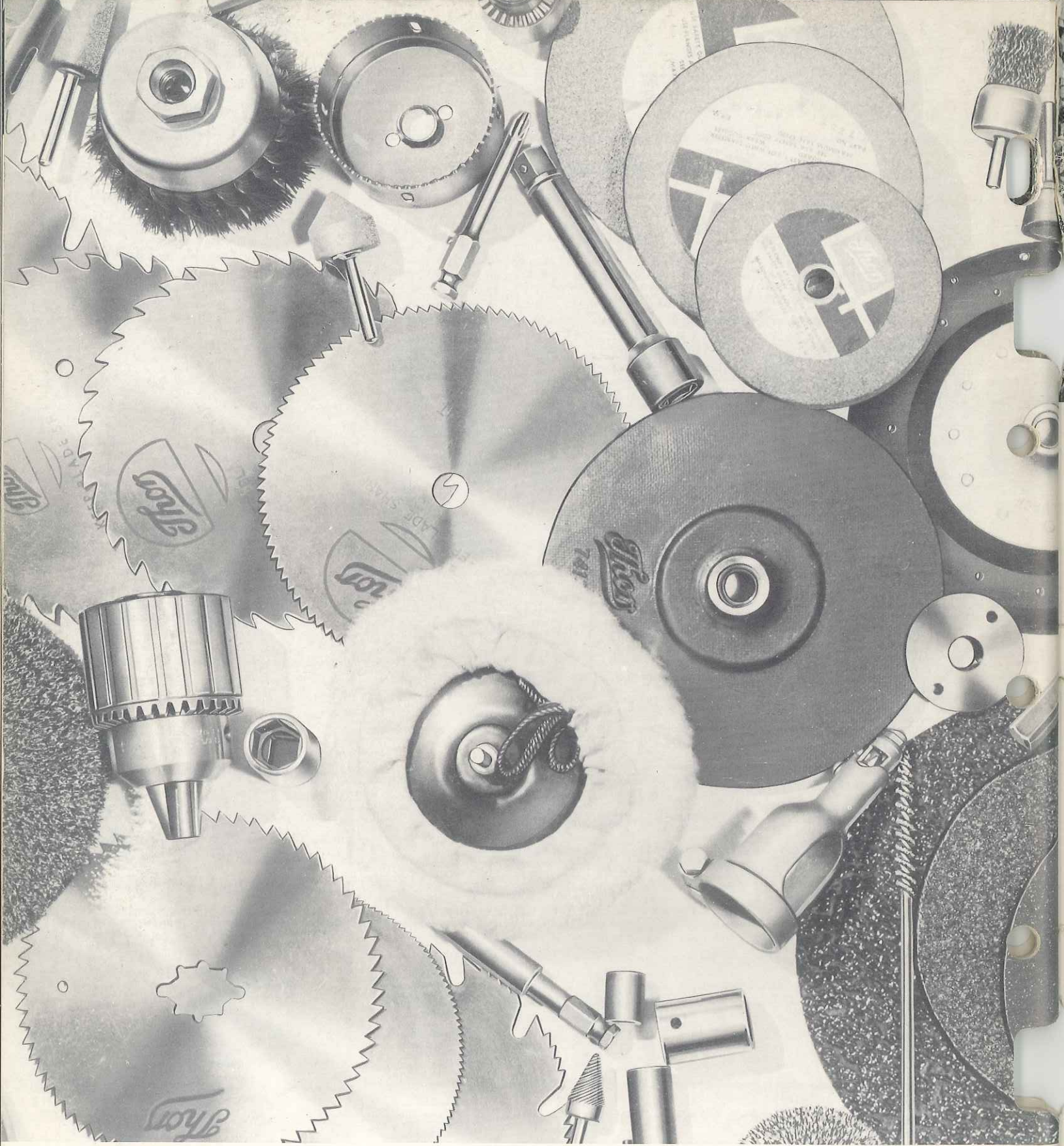
\*V8-85



### CARBON CLEANING BRUSHES

SEE COMPLETE LISTING  
ON PAGE 4a



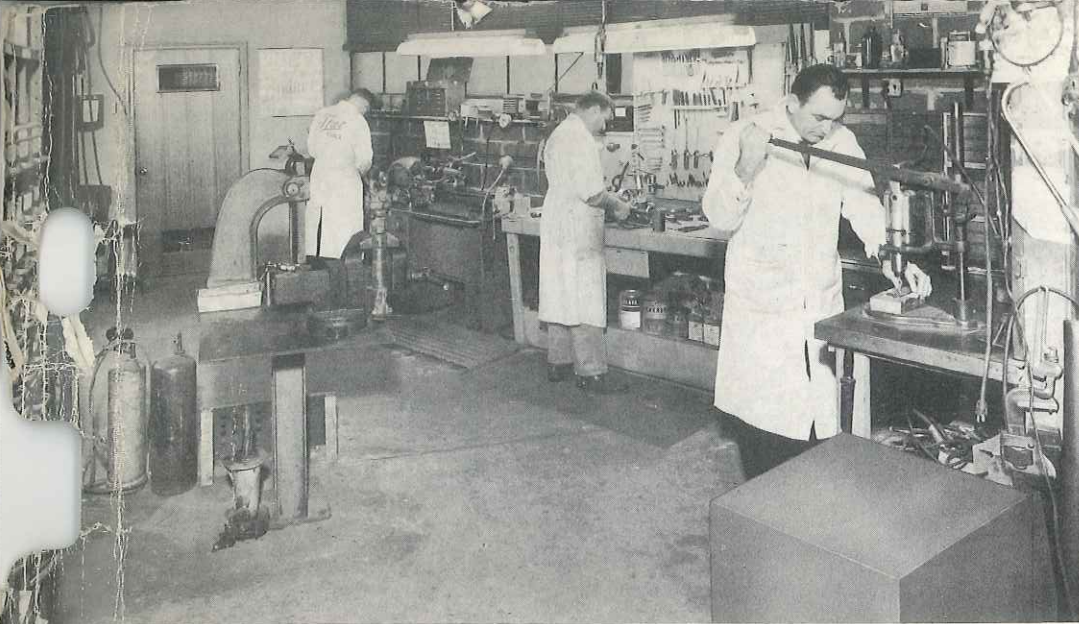


Sold  
By

THOR POWER TOOL COMPANY • CHICAGO 1, ILLINOIS

Printed in U.S.A.





### FACTORY BRANCH REPAIR SERVICE

For Thor tool users and distributors, Thor operates completely equipped factory branches in principal cities . . . manned by factory trained tool engineers . . . well stocked with genuine Thor parts, to give you immediate repair service on all Thor power tools. These factory branches bring faster repair service—plus the added advantages of repair economy and new tool satisfaction . . . *every tool repaired carries the same guarantee as a new tool!* Let the men who built your Thor tool service it! Be sure worn parts are replaced with genuine Thor parts.

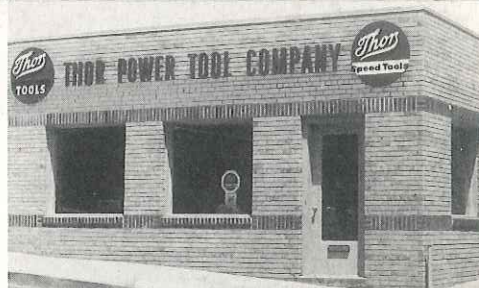
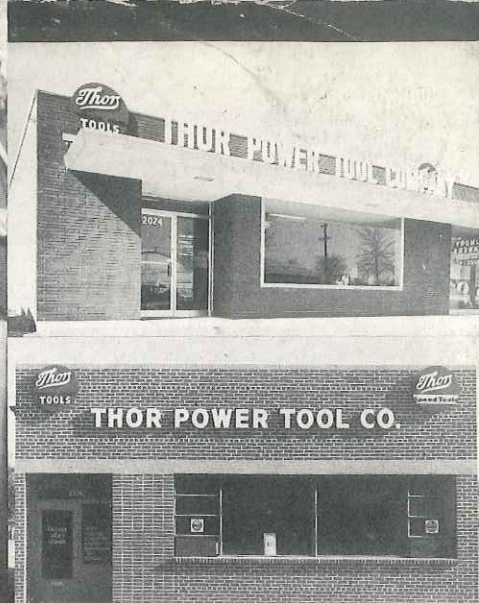
### CATALOG SHEETS, MANUALS, PARTS LISTS

For the conscientious tool buyer who desires additional information not shown in the catalog, or who wishes to replace lost instruction manuals or parts lists, extra catalog sheets, manuals and parts lists are available at all Thor branches.

## Guarantee

All Thor tools and parts are guaranteed against any defect in material or workmanship. Thor will replace parts which, upon examination at Thor factory service branch (or factory), indicate that they are defective. The complete tool or part must be returned to a Thor factory branch (or Thor factory) transportation charges prepaid. No replacement will be made if repairs to the Tool or Part have been attempted by anyone excepting the above service stations.

**THOR POWER TOOL COMPANY  
CHICAGO, ILLINOIS**





# THOR POWER TOOL COMPANY

FACTORIES: AURORA, ILLINOIS • CHICAGO, ILLINOIS • CINCINNATI, OHIO  
LOS ANGELES, CALIFORNIA • TYNEMOUTH, ENGLAND

## FACTORY SALES AND SERVICE BRANCHES

ATLANTA 9, GA.....1363 Spring St.  
BIRMINGHAM 4, ALA..713 Graymont Ave., No.  
BOSTON 46, MASS.....48 Pearl St., (Brookline)  
BUFFALO 23, N.Y.....735 Military Road  
CHICAGO 7, ILL.....1405 W. Washington Blvd.  
CINCINNATI 12, OHIO.....3726-28 Floral Ave.  
CLEVELAND 3, OHIO...E. 40th and Payne Ave.  
DENVER 4, COLO.....2704 W. Eighth Ave.  
DETROIT 27, MICH.....14515 Puritan Ave.  
HOUSTON 23, TEXAS.....5503 Lawndale Ave.  
INDIANAPOLIS 7, IND..1489 North Harding St.  
KANSAS CITY 8, MO.....606 W. 17th St.  
LOS ANGELES 22, CALIF..6200 E. Slauson Ave.

MILWAUKEE 15, WIS. 3911 W. Greenfield Ave.  
NEWARK 5, N. J.....1 Tichenor Lane  
(Corner Parkhurst St.)  
NEW YORK, Long Island City.....  
.....32-34 Green Point Ave.  
PHILADELPHIA 20, PA.....4441 Whitaker Ave.  
PITTSBURGH 21, PA.....204 Thomas St.  
RICHMOND 22, VA....2024 Chamberlayne Ave.  
ST. LOUIS 8, MO.....4044 Forest Park Blvd.  
SAN FRANCISCO 3, CALIF.....  
.....315 So. Van Ness Ave.  
SEATTLE 9, WASH.....414 8th Ave. North  
TORONTO 9, ONT., CAN.....  
.....1909 Davenport Road

FARM AND RANCH DIVISION—Marengo, Illinois

## EXPORT DIVISION

250 West 57th Street, New York 19, N.Y., U.S.A.  
Cable Address: THORTOOLS

GREAT BRITAIN  
THOR POWER TOOL CO. LTD.  
40 Broadway, Westminster S.W. 1, London

CENTRAL AMERICA  
Herramientas Thor de Mexico S. A. de C. V.  
Basilio Badillo No. 47  
Apartado No. 701 Mexico D. F., Mexico

BRITISH FACTORY  
Armstrong Whitworth & Co.  
(Pneumatic Tools) Ltd.  
Tynemouth  
England

WESTERN EUROPE  
Thor Tool Continental, Inc.  
Jordaenskaai No. 25  
Antwerp, Belgium

DIRECT FACTORY REPRESENTATIVES IN  
Lima, Peru  
Benoni, Transvaal, South Africa  
Manila, Philippines

## Consulting Service...

In addition to designing and manufacturing the finest air and electric tools available, Thor also offers a SERVICE of extraordinary value to many of our customers—namely, a TOOL APPLICATION CONSULTING SERVICE, based on the Thor organization's daily contact with all types of assembly and manufacturing problems in all types of industry. Thus, Thor acts as an idea-exchange center, making available to you not only Thor's experience, but *everybody's* experience with power tools, from the

ingenious one-man-shop operator to the scientifically tested techniques of the mass production industries. This SERVICE is FREE. This SERVICE is PERSONAL, rendered by scores of trained Thor service engineers residing in all major industrial centers, travelling to the remotest locations on call. OTHER THOR SERVICES—based in strategically located factory branches—include fast repair service, quick delivery of popular tools, tool parts, parts lists, manuals, etc., direct from branch office stocks.

**BUY  
FROM**